



Jan 1. 1843

A.M. go to P.O. & C.S. office.  
Work all day and evening  
over porpoises - See Gove at  
dinner.

January 2nd

Work all day over whales.  
Go down to Robinsons to work  
at porpoises and call at Keys.  
Seammon calls in P.M.

Evening work at room.

Friday Jan 3

Work over whales in A.M.  
Seammon comes in in P.M.  
Evening call on Miss Noyes

Saturday 4

Work over whales & map in A.M.  
Seammon comes in. P.M. call on  
Dr. Newton, take a bath. Dine.

Sunday 5

Church in A.M. Write letters  
P.M. dine at Capt Noyes

Monday 6

Go to office in A.M. Wait  
for Davidson but don't see him. Go  
to Room. Seammon & Seammon come  
in. Evening Election Meeting of  
Academy of Sciences.

Tuesday 7

Working at room all day & even  
See Mrs. Smith in P.M.



Wednesday Jan. 8  
morning, go to office. Order  
carpet for new office. Take  
theodolite up to Hilton's and  
have it forwarded. Go up to  
new office and work at room.  
Then down to room. Seam  
men comes in. P.M. Call  
on Charley Low

Thursday Jan 9  
Work at room most of day.  
Evening call on Mrs. Hall and on  
J.W. Raymond

Friday Jan 10  
Feel very poorly. Work at room  
all day. Evening call on Stearns.

Saturday Jan 11  
Little to yesterday. Evening  
with the Elmers. Get telegram  
from Patterson that an appor-  
piation for vessel \$3,000 had  
passed

Sunday Jan 12  
Church in W. St. Feel rather  
dull. dine with Hagne.

Monday Jan 13  
Feel very worthless. Go to office with  
letters in W. St. Get portfolios from  
printer. Look after Carpenter. Go to  
Mrs. Seammans. Look in at art as-  
sociation Rooms & Call on Capt. Ho

Hall comes in to see about vessel  
about noon. Over haul maps  
and get some ready for the  
mounter.

yes-



Tuesday Jan 14

Go up to office. L.E. Ferguson of  
Mich. comes in search of work.  
Turn over protractor to Longfellow  
Get maps off to mounter.  
Work at office most of day  
P.M. leave card at Bugbee's  
& C.B. Lows & call on De Ries

Wednesday 15

Get a little better. See Stearns  
at office. Copy on soundings  
all day. Evening. Play crib  
at the Elviers

Thursday 16

Get the long expected letter from  
Hearington. George is doing very  
well indeed. Work at room  
for Hearston & Willie Hayes call.  
P.M. call on Mr. Stebbins

Friday 17

Get a little better. Go up to office and  
get some blanks then down to mess  
and pack alcohol keg, then up to  
room & work. Evening call on  
Mr. Hays.

Saturday 18

Go to office. Then about the  
vessel & pack alcohol in  
keg. Then up to room.  
P.M. call on Stearns



Sunday Jan 19 43  
Go to church. Write nine  
letters. Dine at Capt. Noyes'  
evening at the Brannans

Monday Jan 20  
Work at room. Pay bills  
P.M. Scammon comes in  
evening Academy meeting  
Go home with Skannis

Tuesday Jan 21  
Work at room. Go to office  
Telegraph Room. P.M. Call on  
Bolander

Wednesday Jan 22  
Go to office. Work with Fair  
at Academy Rooms. Pull  
dine at Capt Noyes - and go  
with Miss Noyes, Miss Brannan  
and Miss Fannie Brannan to  
hear a concert of the Amphim  
quartette which is quite a  
success.

Thursday 23  
Letter from Lacie. Take letters up  
to office. P.M. Go to a little  
party at Mrs. de Ros.

Friday Jan 24  
See Capt. Hall and discuss  
matters in relation to the  
vessel. Evening call on Mr  
Hague.

See C. L. Taylor about Energy



Saturday Jan 25 '92

Morning call at office, leave letters. Mr. Bailey comes in. At 2 P.M. go down with Capt. Hall and look at the Lamborn, up to his office and draw out agreement. Evening call on Stearns.

Sunday Jan 26

Church in A.M. meeting after church Mr. Stebbins called to Cambridge - Write letters. Dine at Capt. Noyes -

Monday Jan 27

Work at room, most of day - P.M. Call on Mr. Stebbins and walk round with him to Essex Street. Return book & get another -

Tuesday Jan 28

Ride down with Capt. Hall and look at the vessel, which is all torn up - Work at room P.M. Go round to church meeting in regard to Mr. Stebbins call

Wednesday Jan 29

Work in room. Move office to the room in the new office 214 Stockton Street. Countermand draft and telegraph to Hein. See Hall about buying tanks. Evening call on the De Ros.



Thursday Jan. 30

Morning commences rainy -  
Cold and disagreeable  
See Hall about ballast. Attend  
to signing vouchers and proofs  
at Bacon's. Evening dine at  
Capt. Noyes, and then go up to  
Mr. Otis' and spend the evening  
very pleasantly.

Friday Jan 31

Rainy hard, snow on the Oakland  
hills early this A. M. Go down  
to look at fog, said to have  
been found in a stone 175  
feet below surface. with Da-  
vidson - Dine at Capt. Noyes  
and spend the evening at the  
Brammans -

Saturday Feb. 1

Stormy & cold. Order a gasoline  
Pay Hall 15.00.00 in gold at \$1.25  
for currency on account -  
Work over letters at office, get  
dolphin extras. Leave pamphlets  
to be bound. P. M. Call on  
Scamman -

Sunday Feb. 2

Church in A. M. Write to mother  
&c. P. M. dine at Capt. Noyes &  
spend the evening. Miss Bramman  
comes in. Back to room about 10.00.



Monday Feb. 3

Morning, go to office, then to Gas  
Co's, then to John Reeds - Dr.  
Cheamre comes in with inquiries  
in regard to game on the Yukon.  
Pull at Room. Scammon comes  
in. Go down to Academy  
meeting & then walk home with  
Stearns, & back to room at 1 o'clock.

Tuesday, Feb. 4.

Morning leave bird paper at Larin's  
to be printed. Go up to office  
No letters. Then down to Cal.  
Academy rooms and pack a  
box of sponges. Then up to  
office again, pack Schumann  
for January. Evening call  
on Dr. Newton - and return  
bird. Later see Mr. Stebbins &  
return book of Tylos.

Wednesday Feb. 5

Call on Mr. Vana and go to  
get concert tickets but find  
that the arrangement has  
been postponed. Work over  
map projections and finish  
it. Get some things at Hodges  
& call in at Capt. Royce's office.  
Evening go to meeting at church  
and walk home with Miss  
Otis.



Thursday Feb 6, 1893

Down to office and write  
Cooper. Work over collec-  
tions at Academy all am  
P.M. Dine at Capt. Noyes.  
Call on Mrs. Oat in evening  
and go up with Stetson for  
a while. Look at vessel in AM.

Friday Feb 7

Have a very bad cold, and  
therefore decline Miss Bran-  
nan's invitation. Work at Acad  
part of day. Dine with Dr. Jas. Blake

Saturday Feb 8

Go down in early a.m. to  
look at porpoise. Then up to  
office. See Leachman there &  
work over Ensign's angles.  
P.M. Go over to Henry Edwards  
& carry insects.

Sunday Feb 9

Up to office with letters, then to  
church. Write letters at office. Go  
to C. L. Lewis to dine. Call at  
Capt. Noyes, and stop for a few  
minutes at the Brannans be-  
fore coming home.

Monday Feb 11

Up to office. In P.M. read  
proof. About noon down to  
Academy & work there till 4:40



Shearn & Hancharoko come in.  
P.M. Call on the Hinkofstroms

Tuesday Feb 11

Work all day copying the  
shipping lists from Hanchar-  
scho's books. P.M. Call  
on Mrs. Craven

Wednesday Feb 12

Morning down to office &  
go down to Sch. with Capt  
Hall. everything looks well.  
Copy on shipping lists -  
go down to Academy for a  
time & work over shells. Evening  
Call on Mrs. Bybee

Thursday Feb 13

Work at office. Go down town &  
leave note for Marston. See Hall  
& Low about iron. Then into binders  
and over to Academy & work  
at packing collections. P.M.  
dine with Capt. Rogers. and go  
to concert in evening. The Thom-  
sons do not go.

Friday, Feb. 14

Morning, engaged at office in supe-  
rvising the preparations for another  
chart. Finish copying marine in-  
telligence. Get draft from Hein  
and deposit at the Treasurers.  
Get a checkbook from him.



See Ball in P.M. about iron-  
Evening call on Mr. Hague &  
meet him there -

Saturday, Feb. 15

Morning go to office, meet  
Hall, and go down to U.S.  
Treasurer with him paying  
him \$19.00 for tanks & in a/c -  
Pay in \$15.00 dollars coin to my  
account at bank to replace  
the payment made previously  
from other funds. Back to  
office and meet Marston &  
find out about porpoise -  
P.M. write to Hein

Sunday, Feb. 16

Morning Church, write letters in  
P.M. - Dine at Capt. Noyes &  
spend the evening -

Monday, Feb. 17

Down to office working over Shumagin  
Chart. P.M. Go down to Tennants &  
Rahskopfs, and then down to vessel. Call  
at Fiddell's. Back to office, and work on  
chart. P.M. Academy meeting. Mr. James  
Lick has offered a lot to the Academy on  
4th & Market Streets but hampered with  
severe conditions. Beards in town -

Tuesday Feb. 18

Morning working over Shumagin  
chart. Down to bank and get books



Return to office and work on chart  
Captain of the Antioch, comes in,  
and I give him what information  
I can. P.M. After dinner go out  
with Bendel and call on Capt.  
Hall.

Wednesday Feb. 19.

Get a letter in regard to the Japan  
Telegraph expedition from the  
Superintendent authorizing me  
to do what I can to forward  
the interests of the Company,  
with out neglecting the interests  
of the Survey and authorizing  
me to communicate with  
Mr. Field. Write to Supt en-  
closing letter to Mr. Field.

Work over Shumagin map at office.  
P.M. Call on the deRos

Thursday Feb. 20.

A.M. Call at office to see Henry  
who goes up on the Hutchinson.  
Then down to C.S. office and go to the  
Sche. Merrill to examine the cabin arrange-  
ments, and back to office to work  
on charts. Evening Call on  
Mrs. Jas. Otis

Friday Feb. 21.

Get bills for iron & go to bank to  
pay them. Finish chart of  
Shumagins. Done at Capt. Rogers' call on

the Boorman's in P.M.



Saturday Feb. 22. 73

Morning breakfast with Capt. Hayes  
& go out on the pylon the new  
Eastport a collier for the Coast Bay  
trade. Have a delightful sail  
and get back about 2.30 P.M.  
Then go to Post office & down to  
C. S. Office - work over distr. extra  
evening dine with R. H. Rogers &  
go out to call on Stretch but find  
him out. Take a bath

Sunday Feb. 23

Go to Church. Write letters, dine  
at the Hayes - & spend the evening.

Monday Feb. 24

Down to office, day sold Sunday.  
Go down to the seamen with  
Wm Hayes take lunch with him  
then back to office, give payee  
new check, see Hall, and then  
go down to the Academy &  
work over collections. Evening  
Call on Mrs. Seaman

Tuesday Feb. 25

Morning call & writing - Down  
to office, go over <sup>to</sup> Stearns' to  
lunch and then to John Reeds, then  
down town, leave note with Nickerson  
and go to Cal. Academy where I  
look over prehistoric & past. Evening  
Call on C. A. Low <sup>out</sup> & C. E. Low -



Wednesday Feb 26

Morning go down to vessel with Hall. Then back to office go down & pay Doolan's bill. Then down town & see Doolan about papers & Hickox. Take specimens up to Watkins, then to office, & down to Hickox & Watkins again. & pick out photographs. Evening call on Capt Hall

Thursday Feb 27

Down to office & work over accounts then, Hemmison, Rockwell & Stearns come in. Go down to Watkins at 2 P.M. & work over shells for photos. P.M. Call on Capt. Myers

Friday Feb 28

Down to office - work over estimates. Go down town & draw my own money & turn it into gold, and deposit it with the Savings & Loan Society at 619 Clay St. total gold \$250.00. Go up to office again and afterwards down to Watkins & hunt up Maybridge but don't find him. Evening Call on the Toramans

Saturday Mar 1.

See Maybridge  
Go to office & then down to  
Sch. Humboldt. Back to



office & then down to Watkins  
Hinders, get Sacramento Record  
& back to office - write out  
estimates. Evening at Stearns.

Sunday Mar 2, 1873

Morning to office & church. P.M.  
write letters & dine with Capt. Hays  
meeting Miss Brannan, & Mr. Smith.  
Church in P.M.

Monday Mar 3

Morning down to office, see  
Davidson & leave estimates with  
him. Go down to vessel with  
Hall & Capt. Smith and examine  
the progress of the work which  
is going on very well. Back  
to office. Get instructions from  
Davidson, much more prompt  
than he is authorized to give.  
P.M. attend Academy meeting  
& walk home with Stearns.

Tuesday Mar 4

Morning down to office. Davidson  
leaves for Cape St. Lucas. Capt  
Hall comes in, and man about books  
work on letters to Capt. & Davidson  
P.M. call on Mr. Eckley at 430  
Eddy St. See Watkins in P.M.

Wednesday Mar 5

Down to office & look over Da-  
vidson's proofs with Stearns.



Go down to Sch. Merrill & over  
haul arrangements for chron-  
ometer & desk. Rains very hard  
Call at Capt. Jones office &  
go to C. S. Office work there  
over Whales etc. Done at Capt. Jones

Thursday Mar 6  
Down to breakfast, see Thacher-  
inks, then to C.S. office. Work  
there a while then down town  
stroll with Capt. Smith  
work at Academy packing  
shells all the rest of the day.  
Evening call on Mr. Otis

Friday Mar 7.  
Down to Keys, breakfast &  
then to office. Stearns comes  
in - Go down town & look  
at vessel, come up to Cannery  
then to Academy rooms, get  
some packing material, and  
paper and work over specimens.  
P.M. call on Mr. & Mrs. Davis out  
to Mr. Raymond.

Saturday Mar 8.  
Call in & see Key, then down  
to P.C. get some Trogonias, and  
up to office. Stearns comes in -  
Go down to vessel with Hall  
& then up to office calling at  
the bank, down town again call



at Reys & Carmany's, then up to  
Academy & pack shells, then  
to <sup>bag</sup> buy a suit of clothes  
P.M. see Scammon.

Sunday Mar. 9

Down to office. Church & write  
letters, dine at Capt. Joyes &  
go to Church in P.M.

Monday Mar. 10

Down to office. Go to Tennant's  
& see about tide gauge. Back to  
office, later, go to Rahsopps,  
Tennant's, Proham & Dennis  
Drinkhouses, round to vessel  
and back to office. Evening  
Call on Mr. Hagne

Tuesday Mar. 11

Down to P.O. & call at Reys.  
Then to office - work over <sup>counting</sup>  
then down town and call at  
Bacon's, Steele's, Carmany's Reys  
& Academy, mark boxes & up to  
office. Scammon comes in.  
P.M. call on the de Ros, Olga's  
husband is dead.

Wednesday Mar. 12

Down to P.O. see Carmany & back to  
office. Lemon comes in. Go down  
with Capt. Hall to Lchr. Merrill &  
back again to <sup>office</sup> Academy & work over  
boxes. Send off six. P.M. call on Bag-

McIntosh & Chas. & Low, at Union Club.



Thursday Mar. 13.

Morning call at Carmans & get  
proofs then up to office - Work  
over soundings, then downtown  
again into Steele's and Carmans  
go then up to Academy & work  
over packing and call on  
Capt. Seaman in P. M.

Friday Mar. 14

Morning Mr. Benck comes in  
we go down to the Merrill  
which is looking finely. Back  
to office, down to Elders & Acad  
early & back to office for a while  
Dine at Capt. Noyes

Saturday Mar. 15

Morning at office, copyist &  
Charles & Mr. Bailey come in  
go down to Reeds & to the New  
boldt - Bring up barometer & leave  
it at Sacks to be repaired. Go to  
office & then to Elders' & room  
pack box & get them off to S. J.  
Then call at printers Whittus  
Up to office again & work over  
shells & then to dinner, P. M.  
at Stearn's house

Sunday Mar. 16

Morning down to breakfast  
& then to office - Church in  
A. M. Write letters, dine with



Capt Noyes, Church in P.M.  
+ see Miss. Da Otes home  
with Willie Noyes

Monday Mar 17

Morning. Down to office meet  
Capt. Hall, get the carpet man  
+ go down to the Merid which  
is getting along pleasantly. Back  
to Edwards and pick out carpet  
+ curtain stuff. Then up to  
office and work on soundings.  
Buy some buttons + put on my  
coat. Evening attend Academy  
meeting and go home with Stearns.

Tuesday Mar 18

Morning down to office. 10<sup>00</sup>  
Noyes comes in and I engage him  
to go with me. Go down to  
get boots, see Capt. Sands, and  
go down to vessel. Then up  
to Academy and pack boxes.  
Up to office again and in P.M.  
call on Mr. Stebbins

Wednesday Mar 19

Down to office, go down to vessel  
+ tank, buy some caps and  
then back to office. Scammon  
comes in. Go down to Casman's  
+ P.O. then back to office +  
P.M. Call at Capt. Noyes +  
the Brannans



Thursday Mar 20

See Carmany & Mury bridge  
about photography - Up to  
office, get package off to  
Washington, work all after-  
noon over packing - Evening  
Call on Mr. Eckley & see  
Miss Dunn home -

Friday Mar 21

Down to vessel in A.M. &  
measure bunks, see Mury-  
bridge again about photo-  
graphy - Go into Reed's & look  
at boat - P.M. box from office  
get our blankets, see about  
furniture & bedding -

Evening Bentel comes down on  
autoch. We go to the innards

Saturday Mar 22

Down to Carmany's, then up to  
office paying Murphy board & the  
bill by the way & leaving coin  
at Women's Cooperative Union.  
Capt. Hall comes in & Mr. Bailey  
go down to bank & draw on him  
for \$7.00. 47. see Capt. Hayes &  
leave vouchers at Wells Fargo  
& card at Dr. Blakes - Back  
to office and work over vouchers  
get them from Ralston, Hodge & Son  
& order garments, sacks. Then back to

ask



office again and work over  
vouchers and then go down to  
Academy + show books to Dr  
Blake. Dine + call on Stearns  
in P.M.

Sunday March 22

Church in A.M. Write letters  
at office, down to room, dine  
+ spent evening with Smith at  
Capt Noyes. Drop in at the Bran-  
man's during the evening.

Monday Mar 24

Go down to vessel in A.M.  
About town attending to various  
bills in day. Pack up the last  
of the boxes at the Academy  
+ get off barrel to Prof. Gray.  
P.M. stop in at Mygbridges  
and call on Mrs. de Ro, and  
Capt Smith

Tuesday Mar. 25

See Hall, get bill of lading for  
barrel, go down to North Beach  
+ call on Henry Edwards with  
Stearns, See Fildes, get proof  
from Carmany. Stop at Tunnent  
up town stop at A.C. Co's see  
May + Gerstle, sacks + up  
to office write in vouchers &c.  
Evening, See Watkins abt. camera +  
Call on Mrs. Hapgood (int) + Mr. Nague



Wednesday Mar 26

Morning stop at Carmans &  
P.O. get sacks bill, up to office  
& make out vouchers -  
Go down room again and  
leave Tennent's bill, see Totten  
and get money for Antoin  
Bailey. Go aboard the Hum-  
boldt & get rolls signed <sup>marked</sup>  
up to office again. Scammon  
comes in. P.M. call on  
Stearns. See Watkins

Thursday Mar 27

Up to office, work on letters  
& accounts. Read proof with  
Stearns. Go down to Academy &  
get boxes off to R.R. Depot &  
get receipts, P.M. call on the  
Cutters

Friday Mar 28

Morning up to Carmans & then  
to office. Go down to vessel  
which is in the dock. Go to  
bank, R.R. office & back to  
C.S. office. Go down room &  
see about boots proof etc.  
Look after camera but can't  
find what I want. P.M.  
dine at Capt. Royce and spend  
the evening there. Don't go to  
the Brannan's party though invited



Saturday Mar 29

Morning down to office. Stearns  
nether away. Send off accounts  
See Watkins, Women's Co. Union  
Plato, Reed & at 3 P.M. go  
over to Harford with Stearns  
and spend the afternoon with  
H & Dr. Kellogg. Back to Stearns  
house in P.M.

Sunday Mar 30

P.M. church office, write letters  
down to room. Fine with Capt  
Noyes & call on the Brannans with  
Miss Lizzie in evening

Monday, Mar. 31

Down to office, see Davidson  
Stearns, Hall & Capt. Noyes.  
Call at Carman's, the mail  
man, Customs House, Alaska  
Commercial Company's Mur  
phy Grant & Co. (old line)  
Women's Cooperative Union that  
Kinard & Stencil enter again &  
back to office & work on vouchers.  
P.M. Call on Watkins &  
at Bradleys. Evening call on  
the Hapgoods

Tuesday April 1

See Bentel at breakfast up to  
office. Davis formerly of W. S. & Co.  
calls. Work over out fit.



Go down to the vessel abt  
2 P.M. with Hall after calling  
on Ringo, Tennant, Edwards  
Chy Lung & Watkins. ~~Call on~~  
at P.M. work at office a little  
while and then dinner. Call  
on Mrs. Lewis in P.M.

### Thursday April 3

Morning come down to the  
office, getting a note from David-  
son in which he says nothing  
further about his purchase and to  
issue orders. Go down to the  
painters with Hall, up to Ringo to  
see Watkins during the day.  
P.M. write to Patterson & David-  
son. Evening call on Everett,  
Smith and Stearns.

### Friday April 4

Down to office. Call at Ringo's  
& Reys. About 11 P.M. a Bul-  
letin reporter comes in for in-  
formation in regard to the  
vessel. Go down aboard  
and see Mr. Bailey &  
look over list of stuff to  
transfer to the Yukon -  
Take barometer down to  
Nielsen. Go in to see Capt  
Hoyes who is unwell and has  
not been at the office

~~down at Mr. Hall's -~~

### Wednesday 2

In A.M. go down to Ringo &  
get his report on the vessel, then  
down to Customs House with Hall  
and conclude the purchase  
of the vessel, paying for it  
and getting the proper vouchers  
signed and the bill of sale  
recorded after which go up  
to the office & work for a while  
and then down town, getting  
a small lunch & out at  
7 P.M. to dine at Mr. Hall's  
Capt. H. decides that he can  
not go for less than \$150.00  
a month coin which is  
beyond my resources so  
I shall have to look out  
for a new sailing master.



Up to office and write to  
Hilsard. Carry proofs to Car-  
many and go to dinner. Even-  
ing call on Capt. Noyes who  
is better and on the Hermanns.  
Saturday April 5.

Morning go down to office. Get  
proof from Carmany. Capt.  
Schummon comes in. Work  
over Unalaksha chart. Go down  
town enquire about draft at  
bank, go to the boot dealer. -  
Call on Blakiston. Thence down  
to Bucknans and then into  
Wright & Bournes, speak to  
Bourne about Hetherden &  
finally see him and he promises  
to give me an answer Tuesday.  
Go round with Bucknans to  
look at lamps, &c. Then go to  
the boatbuilders, and call at  
A. Hall's office. Thence up to  
C. S. office, see Stearns, Box from  
S. J. arrives. P.M. call on Mc-  
Hague & find him out. Spend  
the evening at Capt. Smith's.

Sunday April 6.  
Morning to office, Church  
dine & evening at Capt. Noyes.



Monday April 7, 1873

See Carnahan & printer &  
get proofs - down to office  
Mansfield comes in. Look  
over proof & go down to  
Humboldt with Royce  
to get inventory - P.M.  
See Bucknam and bootmaker  
and go up to office & work on  
inventory. Get dinner. Go to  
Academy meeting & Ho Starns  
after meeting is over -

Tuesday April 8

Morning go into printers & Car-  
nahan's, order mattresses &  
up to office. Engage Herren-  
dean for the voyage.  
Make out vouchers & send Royce  
to get bills signed. About noon  
go down to vessel - and trans-  
fer instruments, see Buck about  
lamps, get mattresses down,  
and see Davis who agrees to go.  
Up to Cooperative Union & they  
arrange about bills. See the  
furniture man and then up  
to office. Get vouchers signed  
and P.M. call on Mrs. Hagne  
& see Mrs. Howland.



Wednesday Apr. 9

Morning, Up to office. New work over  
bills &c. At noon go down to  
vessel. Meet Raskopf & take  
Rodgers aboard. See Upholst  
ers and come ashore, call  
at Reed's, then up to office  
see Hall, and make out in-  
voices for Raskopf. Get things  
checked & leave at Raskopf's  
Get proof from Carman.  
P.M. call on the De Ros

Thursday Apr. 10

Morning see Reg, Carman &  
Edwards. Up to office. Hall &  
Blakiston come in. P.M. go to  
Bank & settle up at 257. Then  
down to Yukon. Capt. Scammon  
comes aboard. Go aboard the  
Humboldt with Thorsen  
to verify the inventory. Back to  
office & finish inventory and  
turn over vessel to Thorsen  
& get receipts signed  
write them enclosing them  
Call at printers & Carma-  
ny. P.M. call on the  
Noyes.

Friday Apr. 11

Morning, see printers & ~~see~~ Ed-  
wards. Call at Coles & look

Get checks



for clock. Up to office &  
see Stearns. At noon go  
down to vessel with Dr.  
Wallace. Come ashore &  
call at Reed's, then at Nathan's  
then up to office, see conduct  
then down to pay dock  
master. Call at Cannery  
then call on Capt. Pennington  
Saturday Apr 11

Morning call at Reed's &  
see Hancock & Co. then see  
Coler's man about furniture & Rogers  
on the street. Up to office. At noon  
down to Third St with clock & bedding.  
Go aboard & show up the upholster-  
ers who have made some very  
poor jobs of part of their work.  
Come up town, see Coler's man  
pay for clock, get proof from  
Cannery, P. M. Call on Stearns  
Sunday Apr 12

Down to office & to church. Write  
letters. Dine at Capt. Pennington's &  
spend the evening there & at  
the Penningtons.

Monday Apr 14

Morning down to office  
work over accounts &c  
See Henderson & go over mem-  
oranda, at 12.30 go down



To the Yukon and are about  
upholstered. Then go to  
Oakland boat & ride out on  
the P. R. R. as far as  
Pleasanton to meet Baker  
but can't find him on  
the train. Return & find  
him at Occidental.

Tuesday Apr. 15

Start early in the A.M. &  
go to Sausalito on the C. & N.  
boat with the Misses Brown  
man & Mr. Wiener. Re-  
turn about 4 P.M. See  
Baker go to walking  
office. Meet Fred Whipple  
on the street & in  
P.M. go to Stearns.

Wednesday 16

Call at Carman's, Colas  
and up to office with  
Baker. Then down to  
vessel and spend P.M. at  
tending to various jobs -  
ordering provisions & coal  
&c. - Evening call on  
Capt. Noyes.

Thursday 17

See Edwards & Rey - down  
to office working on accounts  
At noon down to Buckman's



Pay a lot of bills, then order  
crochery wares, back to office  
Down to dinner, P.M. call  
on Mrs. Oles & J.W. Raymond

Friday 18 Apr

Morning, down to office & work  
over vouchers - Then pay  
bills at bank, P.M. see Byrne  
leave men at Smiths. Get clothes  
at Platts, Suttons & Murphy hats  
& cos. To 100m, bank office.  
Workover vouchers. Workover  
pamphlets in P.M. Evening  
call on Capt. Smith.

Saturday Apr 19

Morning down to office &  
workover vouchers. David-  
son calls for barometer  
& also for theodolite which  
last I do not propose to let  
him have. Go down town  
to see Lumber, hardware &  
see Jennings. A lot of or-  
ders. Back to office. Call on  
Sharns in Evening.

Sunday Apr 20

Church. write letters, P.M. to Capt  
Noyes to dine, with Baker. Have  
a very bad cold.

Monday Apr 21

To binders, My bridges, Reys

30.4794  
1.5297

32.00337

1.22.06  
34.23



Work all day over copying notes  
& meteorology. P.M. go aboard  
the Eustace & Alexander and  
spend the evening. Ther. min 34°.

Sunday May 25

Morning sky half clear with  
fresh West wind. min ther. 34°.  
Go ashore at 7 A.M. with Baker  
and the vertical circle and take some  
observations for time by reciprocal ze-  
nith distances. work till 10 A.M. then  
come aboard. After dinner go ashore  
and see Rufe about getting two men  
for the bidarkas to go to Ralikha  
Bay. Then aboard to ~~supper~~  
go out again with the vert-  
ical circle and get a few more  
observations before it clouds up.  
Aboard to supper and then  
go aboard the Alexander &  
the Eustace and then ashore  
stopping a little while with  
Smith in the way back.

Monday May 26

Morning cloudy nearly calm  
or light southerly air. The Alex-  
ander starts on another trip to  
St. Paul & George towing the Eus-  
tace out. Capt Giles and the  
sloop Jabez Howes sail for Cher-  
noffsky with Newman who is



Murphy, Gaults, Radshoffs,  
Snooks, Edwards & Bank  
draw on Henry for 100\$  
on Harford's account -  
Up to office, attend to vouchers,  
and look at instruments which have arrived -

~~Tuesday 21~~ Down to  
vessel at noon, carry barometer  
and bring up Bowditch's  
returning several instruments.  
Work over vouchers until  
6 P.M. dine & go to Academy  
meeting & up to Stearns

Tuesday 22nd  
Pay Gaults bill. Up to office -  
Work all day over accounts &  
c. in instrument vessel.  
Pay bills. See Hodgkins in  
P.M. Evening, call on Hall

Wednesday 23  
Work all am over vouchers  
See Asst Treasury & straighten  
out out of - work at office all  
day & evening. Pack bag at  
night -

Thursday 24  
Driven hard with work all  
day. Get most of clothes down  
to vessel in P.M. Evening  
write at office.



april

Friday 25

Work all day. Evening call on Hagues, Hapgood, Stebbins and Carman. Pay officers off.

Saturday 26

Pay men off - P.M. Call on Dr. Rob. Chas. A. Howard & Bugbee out

Sunday 27

Up to office Stearns to breakfast, then to church. After church go aboard with Miss Mages & show her the vessel. Over to room & visit office for a short time. Home and spend evening at the Mages. Evening pack bag.

Monday 28

After breakfast take stuff from room. Call at Post office and at Carman's. Send down chronometers from Stearns and go down to the landing. See Stearns, Hodgkins, Hall and others and bid all good bye. Show the chronometers safely and also books &c in my room. Get everything fixed & ready by noon. Heave up and fill away by 2.05 P.M. Boat out very well although the men are a little out of shape. The Macey comes out with us & comes very near beating us, but doesn't pass us.

31 35 112 31 50.11 161  
31 31 190  
40 180  
31 31 660  
90 112 3731  
62 112 3731  
18 5.65

Officers paid to June 1  
May  
Men to April 26  
Steward to May 28

Bailey 65  
Bailey 45  
Hennenbeen 100  
Cook 50  
Boys 20  
Men 150  
Carpenter 35  
285  
21  
495  
30  
483  
333  
565  
427.71  
1111  
538.81

85) 538.81 (633.89  
510  
288 633.90  
255  
331  
259  
760  
680  
800  
765  
35



Tuesday 29

Pitching into a head beat sea.  
Feel unwell, more so than  
on any previous occasion of  
sailing to sea - Lie down  
most of the day - Weather  
cloudy & fair. Wind fresh NW

Wednesday April 30

Feel more comfortable in the  
a.m. Wind light. N.W. Ther. 62  
Water 58. Bar. 30.460 half clear -  
look over accounts & get papers  
a little in order -

4 P.M. water 58. sp. gr. 24.

Thursday May 1

Wind fresh N.W. all day. Nat  
clear. Read Austin McCarthy's  
Main Saxon. Ther. 60. Water 59.  
Sp. gr. 24. Barom. 30.420

Friday May 2

Get books &c into order. Day cloudy.  
Wind N.W. mod. Bar. 30.600. Ther.  
air 60 water 59 Sp. gr. 26.

Saturday 3

Work over pay rolls. Catching  
Saurhinias &c over the side. Nearly  
calm, wind Westly. half clear  
air 66. Water 62. Sp. gr. 24.

Sunday May 4

4 Wind N by W. Cloudy. Ther. 64. 58. sp. 24



Monday May 5, 1893  
Cloudy, wind fresh S.W. Ther.  
62, water 59, sp. gr. 25

Tuesday May 6  
Cloudy wind S.W. strong. Ther  
60, water 58, sp. gr. 25. See a  
good many whale birds and  
note a greenish discoloration  
of the water for the last 48 hours.  
Workover reports & no counts

Wednesday May 7  
Workover accounts & straighten  
them out. Water 25. Wind S.W.  
moderate. Ther 50, 59, 54, 55

Thursday May 8  
Wind changes to westward, about  
noon & blows very fresh. Water 25.  
Shortensail and make all snug for  
a blow.

Friday May 9  
Blows half a gale all day. We  
make some headway under double  
reefed mainsail, single reefed foresail  
and jib without the bonnet. Most  
vessels would be lying to in this  
weather, but the Yukon handles  
herself beautifully. Light a fire today

Saturday May 10  
Blows very stiff between 4 A.M. &  
8 A.M. Spring the flying jibboom.  
Later in day moderates slightly



Sunday May 11. 1893

Blowing a stiff gale. 4 P.M. water  
25.5. Cold disagreeable. At  
night wind shifts a little to the  
westward. and blows stronger

Monday May 12

Keel in early morning. Blow-  
ing a stiff gale with bad  
cross sea. Moderates a  
little in P.M. 4 o'clock sp. gr.  
water 25.5. At night quite  
moderate. The gulls left us  
yesterday. Kittiwakes seen  
today and puffins & divers  
Have seen puffins at in-  
tervals during the voyage af-  
ter striking the discolored  
water up to present time.

Keel in water today.

Tuesday May 13

Morning moderate W wind & a  
little rain. Many birds about.  
P.M. very light wind half cloudy sp. gr.  
-27.

Wednesday May 14

Wind light SE and Easterly  
Rainy. Bar falls to 29.30  
P.M. sp. gr. -27. Many birds about.

Thursday May 15

Cloudy Wind very light. P.M. nearly calm  
Take in sail sp. gr. 26.5. Wind backing W by



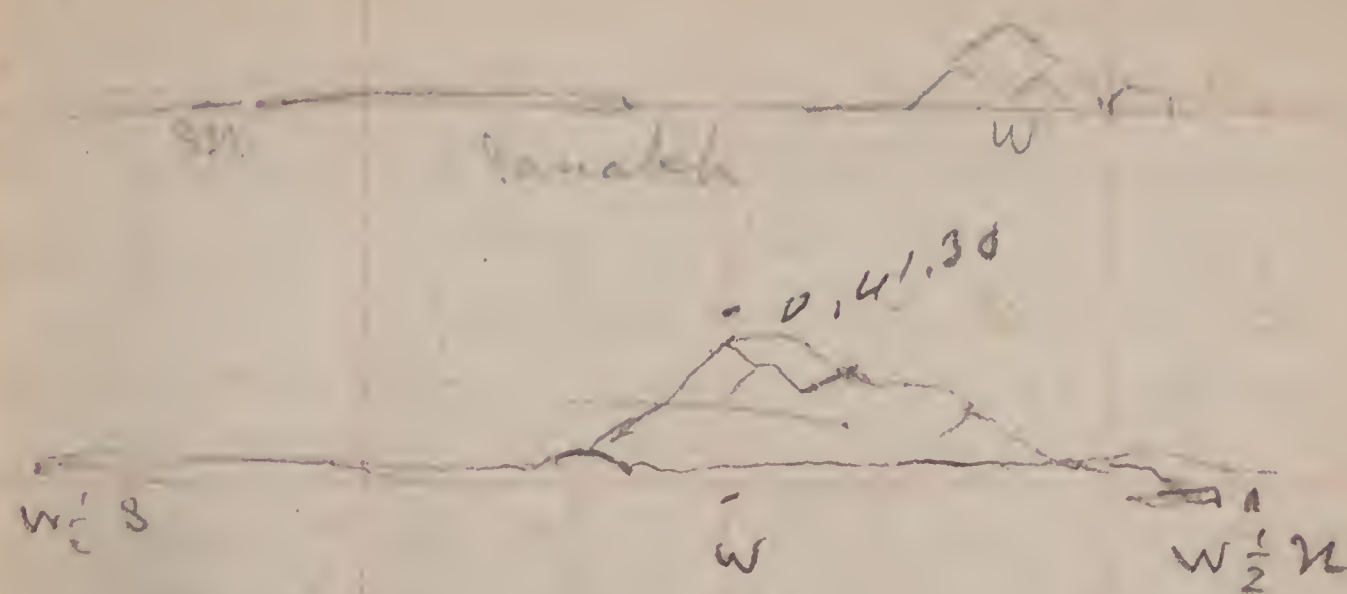
Friday May 16th 1893  
 Morning wind about W. moderate.  
 Half cloudy, with snow squalls in P.M.  
 See land, and place ourselves in the  
 afternoon about 15 miles East of Sanak  
 Id. This island has a very large  
 amount of lowland lying south  
 of it. From our position with the  
 middle peak bearing W magnetic  
 the southern end bore SW. Catch  
 a cod fish - found in 75 fms water  
 stand off shore at night.

Lat 162.08 & Lat 54° 23' N computed in  
 75 fms hard bottom. S of Sanak Id.

Saturday May 17  
 9 A.M. Calm clear. Wind W. NW.  
 In boat - Low

Sanak Id. middle peak bearing  
 sound in 38 fms rocky bottom  
 catch many cod & halibut.  
 U.P.M. 8p. 26.00 take bearings  
 S end Sanak Id. reef bears see opp  
 N end and observe harbor.

Sunday May 18  
 A dead calm most of the  
 day - Clear & beautiful weather  
 See Shishaldin & Isanotski Id.  
 in P.M. a breeze sprang up  
 and takes along for several  
 hours - Water 255.



next end W 3/4 N  
 End of all NW 1/2 W  
 Outlying rocks W or S

2nd Why S 1/2 S Easternmost end small Is.  
 W " and next  
 W 1/2 N " island

Why N 1/4 N Peak 0.48.20

WNW = End Id

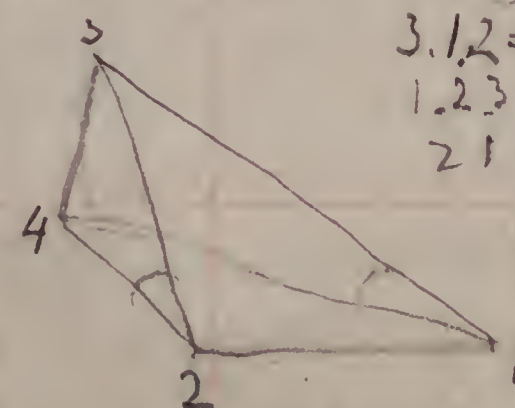
NW by W W ... next Id

NNW 1/2 W & East "

Why W 3/4 W breakers

S. F. time 2.40

Dist about a mile  
 more rocks W SW



1.2.3 = 4° 16' 15"  
 3.1.2 = 5° 42' 30"  
 1.2.3 = 160.0 1. 15"  
 21 = 1650 meters



Monday May 19

Tuesday May 20

2nd Field



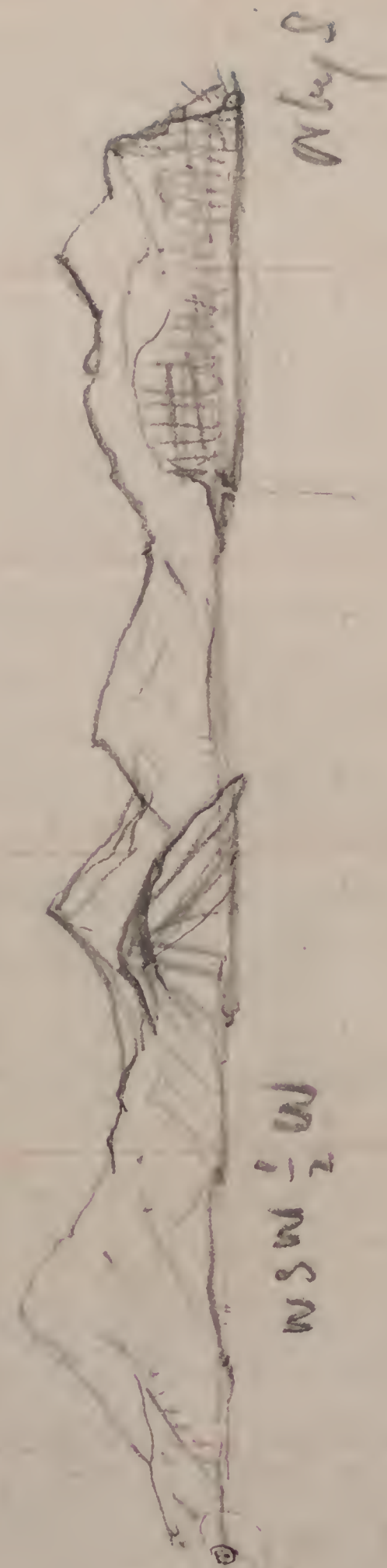


has been gone over two weeks. The Hutchinson is gone to Umanak but will return in a few days - the Sabel House is here. Capt. Hennig, Mr. Morton (J. J. 17.9), Mr. Norton of the Alexander, Capt. Erskine, Wagner, Mr. Greenbaum and Mr. Webster come aboard. Dr. MacIntyre, Mrs. Webster, Mrs. Erskine & Mrs. Fish are here - After dinner - go ashore & call on the priest, Capt. Hennig, and attend a shooting match of the natives. There are 44 Adka natives here whom the A.C.C. are going to carry to Unga to hunt sea otter. Afterwards give Shanfeldt his letter, see Newman who is living in Adolph's house while Adolph is gone to Akhu. Come off to supper and spend the evening aboard.

Wednesday May 21

Cloudy very strong N.W. wind with a little snow - The Eustace comes in early in the A.M. with Hall, Govt. Inspector & Indian Agent, a Russian from Amora

N.E. end Akhu



& a Mr. Newman on board



for St. Michaels, Linnéfsky  
& Mrs Bath. We have beaten  
him by five days & a half -  
Go aboard the Eulstace & then  
ashore. Dine with Neunig -  
The Frances Palmer, which  
cleared on the 28th of April ar-  
rives in the afternoon about  
o'clock. Fredrickson is passen-  
ger and perhaps Ennis.

Come aboard to supper. Look  
over the vertical circle and  
get the distance for telemeter  
for the small theodolite. Between  
the upper & lower wires at a  
distance of two meters, with  
.2266 correction, four inches  
are subtended, 2 in between  
each pair of wires. = 2 in  
to a meter between both  
wires and one in per meter  
between the upper or lower  
wires. The telemeter is seven feet  
long which will allow of 84 meters  
being measured with it.

Thursday May 22

Mon Ther. 31. Day cloudy with  
strong N.W. & W wind & snow  
squalls. Overhaul instruments.  
and collection room. Morning  
work over notes & currents



Capt. Smith comes aboard -  
P.M. groves to the W side of  
S. Aniaknak but find little  
of interest. The Dutchman  
comes in from Aniak, Capt.  
Peterson. Evening finish Car-  
tyles for Resentment & cur-  
rent notes -

Monday May 23

Morning cloudy with snow-  
squalls. <sup>windy with S.W.</sup> Ther. Min. 32.5 The  
sun comes out occasionally -  
Go ashore & see the priest  
about his bidarka. Get  
Meteorology from him -  
Come aboard & work over  
it - P.M. Go aboard the  
Eustace - then ashore  
with Mrs Webster, Fish  
& Eskine. Get a bath  
then off aboard Eustace  
with Capt. Smith. Then  
spend the evening in the  
Alexander, stopping at  
the Eustace on way back

Saturday May 24

Morning thick rainy & cloudy  
Wind light S.W. Dutchman  
on getting ready to go out -  
Priest comes aboard & bids us  
farewell, as he is going to Unga



to take the station - Capt  
Hersenden goes off in the pices  
bidaska to hunt for a stick  
to make a new jib boom  
in Kalekta Bay - Go ashore  
to adjust instruments and  
test telemeter. make a measure-  
ment with latter which comes out with  
in 2 millimeters. Aboard to dinner  
P.M. go to the spit to make observa-  
tions for magnetic + astronomical  
azimuth with moderate success  
but are interrupted by clouds.  
Back by 8 P.M. with a lot of  
codfish which our Boats  
obtained after repairing the rig  
at North Head -

Tuesday May 27

Morning cloudy with occasional  
bits of clear sky. Moderate  
NW wind, which afterwards  
shifts to N and freshens with  
snow - Go up to the spit to  
complete observations for mag-  
netic azimuth of the base line  
finish + return at noon  
P.M. snow squalls + high wind  
Herring promises us a spar  
to replace the jib boom but  
backs out and we get one from  
the Francis Palmer.



Wednesday May 28

Morning, blowing fresh with a westerly wind and a good deal of sleet rain & snow. Work at copying and other clerical work. Copy Kuskokwim chart for the Captain of the Francis Palmer. Min ther 32°.

Thursday May 29

Morning storming hard. N.W. wind rain & squalls. Work over views. Go ashore & leave word for Puget the washwomen. P.M. establish an observing station on the small spit near the govt. coal pile. Men at work on the new jibboom. Min ther 32.5 P.M. wind shifts N.E. & clears at 11 P.M. <sup>out. cir. & a. a. g.</sup>

Friday May 30

Observing in the start until three A.M. Return to vessel. at 6 A.M. rise & prepare for A.M. altitudes of sun for time with sextant. get a series of seventy. Day clear, warm & fine. Min ther. 35° Wind fresh northerly. P.M. continue & finish altitudes until clouds cover the sky. Take walk to the cave and get an arrowhead or two.

Saturday May 31

Morning cloudy, light N.W. wind. all hands at work



fitting new jibboom. P.M. take  
the large boat with Mr. Bailey  
and set up a signal on the  
S end of Hog Island. To be called  
Island signal. Back at 7 P.M.  
Write up report & journal for  
the month. P.M. calm foggy N.E.

Sunday June 1st, 1895

Morning, new clear & fine wind  
light S.E. with some fog rolling  
in. Go ashore & get a series  
of observations for astronomical  
alignment between the astronom-  
ical station and the church.  
P.M. clerical work & reading

Monday June 2nd

Start at 10 A.M. with Bailey  
Noyes & three men for the  
Jaggnak or Eider village site  
with the large boat where we  
propose to erect a signal  
to form part of the Bay Line  
arrive about 1 P.M. Day very  
fine & clear & warm. Go up on  
the bluff & erect the signal  
then return and get our tea  
pitch our tent and turn in  
about 10 P.M.



Akutan volcano from Eider A



# Eider

~~to~~ Supra. Cape Churchill

NE shore of Ahlambars NW 35° E  
A 16° 10' 0" B 180° 0' 0"

Point Rock bears N 51 1/2° E  
A 16° 10' 0" B 196° 9' 0"

S. Head of Point Rock bears N 76° E  
A 41° 5' 0" B 221° 0' 0"

N. Head of Point Rock bears N 72° E  
A 57° 43' 10" B 237° 44' 0"

End of Reef N of Maklahe head bears N 108 1/2° E  
A 73° 22' 0" B 252° 21' 0"

Guidle Rock bears N 117 1/4° E  
A 82° 24' 0" B 262° 24' 0"

Keystone Station bears N 145 3/4° E  
A 110° 44' 0" B 290° 43' 0"

95 Head of Capt's Harbor bears S 33 1/4° W  
A 119° 20' 0" B 299° 20' 0"

to Side of Hill

Whole Staff 13' 5" 80 upper wire  
Vertical angle 2° 49' 0"

Side of Hill to East

Whole Staff 13' = 71.

Upper wire about level of ground's surface  
Vertical angle 3° 9' 0" N 355 3/4° E

Same to side of Hill below  
Whole Staff 72' 2" 80 1/2° W  
Vertical angle 16° 0' 0"

Side of Hill to East

Staff reads 69' 8" 80 1/2° N 34 3/4° E  
Vertical angle 16° 14' 0"

Same to side of Hill below

Staff reads 66' 8" 80 1/2° S 34 1/2° W  
Vertical angle 30° 28' 0"

Side of Hill to East

Staff reads 76' 8" 80 1/2° N 33° W  
Vertical angle 30° 52' 29° 8' 0"

Same to side of Hill below

Staff reads 48' 8" 80 1/2° S 31 1/2° W  
Vertical angle 30° 12' 0"

Beach to East

Staff reads 64' 8" 80 1/2° S 78 1/2° W  
Vertical angle 10° 49' 0"

Same to Beach beyond

Staff reads 58' 8" 80 1/2° N 79° E  
Vertical angle 0° 0' 0"



Back by White to bridge, 1/2 mi  
Stop on the 1 1/2 mi. bridge 1/8 mi  
North Bridge

Tuesday June 3<sup>rd</sup> 1975

2 Cells 54 ft. in the water, with 1st anchor  
21 fms - 1 22 fms 24 fms 26 fms 28 fms 30 fms

Water bucket in one with 22 fms of  
Waterkin Bay, S.E., about midday  
30 fms in soundings

Can have N.W. Spit to 25 fms  
N.W. Spit

Can have N.W. Spit to 25 fms  
25 fms from bottom and

Morning after breakfast go out  
in the anchorage and take  
some soundings and dredge  
little to determine the charac-  
ter of the bottom. Back to  
camp about noon take  
a cup of tea & start for



Shrink anchorage. Have  
a dead calm part of the  
way and a fresh breeze  
from Hog Island in to  
the Harbor where we arrive  
about 2 P.M. - Day fine &  
clear wind light in A.M.  
P.M. strong & N.E.  
Steamer Alexander comes  
in at night.

---

Wednesday June 4, 1873  
morning calm overcast  
with a little rain. Later  
light easterly wind - all hand  
at work filling water & in P.M.  
relieving the storeroom ashore.  
Get two letters from Elliott

---

Thursday June 5.  
Rainy & S.E. weather all day  
at work on storeroom & coxys.

---

Friday June 6.  
Rainy & S.E. wind light  
write letters - P.M. go aboard  
the Alexander & spend the evening

---

Saturday June 7.  
Rainy. Blowing hard from the S.E.  
The Hutchinsons arrives from Upernivik  
& Belkoffski - write letters all day  
evening oku birds -



Sunday June 8 - 73  
Write letters all day. Wind  
SE raining hard. P.M. Capt.  
& Mrs. Erskine and Dr. Mene &  
Mr. Kapus come aboard for a call.

Monday June 9  
SE wind strong with a little  
rain. Taking coal & stuff ashore  
to leave in storehouse.

Tuesday June 10  
Wind shifts to NE. and cloudy in  
early A.M. but soon clears off  
& ashore & take a series of angles  
from Astron. & Albatross to con-  
nect Church & the magnetic line  
with the An. Later in day get  
ready boat & go to Astr. & con-  
nect it with A & Church by angles  
measurements and then take  
a series of obs. on P for azimuths  
and return to vessel. Carpenter &  
one man sick. Wagner comes aboard  
Go ashore in P.M. & call on ~~Wagner~~  
amongst the priest. Then see Norton on the  
Alexander. The company has board-  
ed 500 bull scalshins shiver for  
boats & a lot of seal oil & presents  
pay duties. Alexander sails from  
now for Pribiloff Is. and the Hut-  
chinson in a few days for two  
shergak with Hanson's priest

Pinnacle N. 75 E } 13 fm  
Signal Top. N 34 E }



Wednesday June 11

Go out of the little harbor early in the A.M. Day foggy, clearing up about 11 A.M. get out as far as the outer anchorage near the head of the spit and anchor in 12 fms catching a good many cod & halibut and seeing a great many humpback whales. Some kitties & finbacks. About 6 P.M. a SE breeze springs up and we sail for Attu. Weather cloudy, wind moderate SE.

Thursday June 12

Morning weather thick & cold wind SE, moderate

Friday June 13

Weather thick & foggy part of the time. Wind Easterly moderate.

Saturday June 14

Weather cloudy & foggy all day. Wind light in A.M. fresh in evening.

Sunday June 15

Cloudy wind fresh, hauls more to the N & W.

Monday June 16

Cloudy and clear by turns. Wind Easterly very light - about 10 A.M. see Bouldyr Island bearing S - mag about noon. Take a sounding with

E and Bouldyr SE by S  
W " " " " SE by S  $S\frac{1}{2}S$

Let go -	40 <sup>m</sup>
50	18
50	38
100	11 54
100	3 25
50	4 21
50	6 05
100	7 57
100	10 03
100	12 29
200 ?	16 51
100	19 02

SE by S SE by S  $S\frac{1}{2}S$   
22' 26" alt



deep sea line, pre-hung lead &  
shell-wagon cup. - Get no bottom  
in 1000 fathoms. Line takes 1,400  
to come in on the winch.

Receives up a little toward  
night & clouds up - wind shifts  
ahead - Get a good series of  
observations for position of our  
soundings which is undoubtedly  
the deepest ever taken in Bering  
Sea -

Tuesday June 17 -

Blows a stiff breeze from SW  
with a great deal of fog &  
cloud, beating to westward  
all day in nasty sea - about  
half past two stand in to where  
Ingsten's rocks are laid down  
on the chart but see nothing  
of them. They were perhaps hid-  
den in the fog. Sp. gr. 21.5

Wednesday June 18

Morning wind, for a wonder, fair & not  
thick, weather damp, foggy & cloudy  
about noon stand into Chichagoff  
Harbor, Attu Island. Come to an  
anchor in the middle of the bay  
about 1.30 PM. Frost, whilom mate  
of the Golden Gate, 1866, comes off  
in a bidarka. He is agent of A.C.C.  
here, but goes to Belkopsky this fall



to be replaced by Lunisfuk.  
The harbor is a good one but some  
what open to the NE. through the  
narrow entrance. Frost says,  
that in the winter storms it is  
full of breakers at times. The water  
is not very deep - 5 or 6 fms is the  
most. The village is neatly kept  
but the houses are smaller & less  
comfortable than at Unalakleet.  
There is no driftwood here, a  
little is picked up by circum-  
navigating the island.

200 sea otter from Semitchi &  
agaton 156 blue foxes were  
obtained here last year. There  
are 203 inhabitants 68-70  
hunters. The houses are not  
very healthy. The tyne gone to  
Stang Swan - or Massacre Bay.  
There are no anchorages on the  
south side of the island but  
several bays. Golgef Harbor  
so marked on chart has no  
anchorage or protection water  
too deep. Massacre Bay has  
protection but deep water over-  
close in shore - many islands  
in it. Go ashore & see the  
village, get some spayer & butty  
in beach - come off & bring Frost

75 up to June 28 1873



to supper. P.M. all hands except myself & Bailey go ashore for a while.

Thursday June 19. 42

Wind fresh N. cloudy all day, & P.M. pretty chilly. Go ashore in A.M. and pick up a lot of plants &c. P.M. get a bath and go round with Frost to several of the native houses which are clean & good. P.M. Mr. Frost comes aboard & I give him some medicines &c.

Friday - June 20.

Morning half clear. Go ashore & get observations for time, longitude & azimuth & off to dinner. P.M. go out to outer islands and get some birds & sponges and a very few eggs. Return about 4 P.M. Frost & Tyne come off to supper. Skin birds till midnight.

Saturday June 21

Spend most of the day dredging. Weather thick, wind light northerly, some fog. Get *Meretrella frontalis* of Middel.

Sunday June 22

Work all day over collections, labeling, cataloguing & skinning birds. P.M. go ashore to Frost's house & then go to the Tyne & have a party, coming back about midnight after having a thorough good time.



Monday June 23

Morning take the large boat & go to Saranna Bay, which find full of rocks scattered, with a sand beach at its head. Plac. mach. & Argob. regensis found on it. Basting 3 P.M., pulling most of the way against the tide which rises toward the west. Get some obs. for azimuth after returning. Weather thick in P.M., a little sun in P.M. wind variable light. Get vessel ready for sea in case of a fair wind. P.M. Go ashore to the Tyones house & have some native & other dances & a good time generally.

Tuesday June 24

Work all day on board getting ready for sea as soon as the wind serves copying computing & packing specimens. Weather thick fresh N.W. wind

Wednesday June 25

Morning filling water. weather ~~thick~~ early half cloudy, later completely overcast. Try some new azimuth observations which are interrupted by clouds. P.M. Go ashore to the old village & dig in the vicinity of the houses for relics but do not succeed in finding many. P.M. Frost off to supper.

The Aleuts call themselves  
OO-mung-un  
The Radiants  
Kamagin



Thursday June 26

Morning weather thick & foggy wind very light northerly. Go ashore & take dip observations. P.M. by Lloyd's method the sun coming out for a time. Baker tries the azimuths again and gets four sets. Evening frost comes off to supper & we go round to the Lyons' again for the latter part of the evening.

Friday June 27

Morning early leave up the anchor and stand out with a fair wind but just before reaching the narrows have a back blow and are obliged to put our helm up to anchor. About noon wind comes out of the NW strong with white caps outside and we bid adieu to the Lyons goodbye and stand out to sea on our way to Kyska. Have to reef the main sail, so strong is the breeze at first but it moderates by the time we get off shore a little and by 8 P.M. we have made over 75 miles.

Saturday June 28

Day thick foggy wind very light P.M. take a deep sound and get grofms with chalk but at bottom hear at 5.10 local time a shot from apparently from some canyon which might be five miles off

Then reads 64.6  
63.7

Let go.	7.55.00	
100	55.48	48
100	56.50	1.02
100	58.19	1.29
100	60.00	1.41
100	62.00	2.09
100	64.02	2.03
100	66.22	2.10
100	69.37	3.15
100	72.24	2.47
55	75.11	2.27

Then reads bottom slung  
mercury 40° sandy mud  
register 54.5. with lead.

Low E Greenwich 77.17  
Lat 52° 20



but can find no explanation of  
it as it is very unlikely, that  
there is any vessel in this vicinity  
late in P.M. see Nyska

Sunday June 29

Morning foggy & rainy wind SE  
fresh. Boat in to Nyska Harbor  
& anchor about 10 A.M. P.M.  
cloudy go ashore & examine for  
locating signals. A fine harbor  
with long sand beaches & plains  
and valleys about it. Many  
huts - A deserted abut village  
used during the hunting season by  
natives brought from Alaska; & 1  
wooden house. Find good pick  
ups on the beach & return.  
See a raven & plenty of eiders  
get an egg of Thal. Seachin.

Monday June 30

Morning and afternoon thick and dense  
foggy. About noon sun comes out for  
while the sky being very clear above the  
fog. P.M. wind mod. NE. Spend the  
day in setting up signals.

Tuesday July 1

Dense fog all day. Wind light  
& variable with heavy swell  
from outside. Put collections  
in order & skin birds, write  
up reports for month of June.



Wednesday July 2nd 1873

Dense fog all day. Spend A.M. in dredging. P.M. send boat off to erect signals on Little Kyska & South Head of Big Kyska. Evening play crib & skin birds.

Thursday July 3rd

Dense wet fog & fresh wind with a pretty heavy swell. Morning, put things in order. P.M. go off with the boat & Mr. Noyes & run some shore line & measure the baseline of the harbor. Back by 6.30 P.M.

Friday July 4th

Spend morning in putting specimens to rights. Dense wet fog & rain. P.M. go over to the other sea beach beyond the North Head and get a good many plants, & some shells. Evening pop corn & play crib raining & blowing hard.

Saturday July 5

Foggy & rainy in A.M. Cloudy & heavy in P.M. Work at copy notes all day. Boat goes after codfish but get none.

Sunday July 6

Work in A.M. over collections. P.M. go ashore and cross the divide to the other side of the island finding a good many nests. Day fresh wet & strong S.W. wind.



Monday July 7, 1873

Dense fog & rain at intervals, wind fresh from eastward. Morning overhauled plants &c. P. M. went dredging & got a new species of reversed pleurotomoid.

Tuesday July 8th

Day windy, wind squally from west & SW. Cloudy over head with fog & rain squalls go ashore in A. M. & take angles from the two ends of the base line & in P. M. from Cave A. - Very stormy

Wednesday July 9

Stormy all day, wind very strong from SSW, cloudy & raining. Work in A. M. over chart & angles & in P. M. skin birds &c.

Thursday July 10

Storm & rains blows furiously from SW all day. mended clothes

Friday July 11

Storms & rains from S all day, not quite so hard as yesterday. Went to trout brook in A. M. & got 328 salmon trout, trout & 4 sticklebacks. P. M. overhauled azimuths.

Saturday July 12

Day half clear, wind fresh westerly. Spent the day mending shovels, on the N. side of the harbor. Obs for time by



Baker & Capt. Herendeen, Back by 6 P.M.  
Evening closes cloudy

Sunday July 13

Rainy & cloudy in A.M. Half  
clear in P.M. Get observations  
for azimuth and pick up a  
few minutes on the beach.

Monday July 14

Day half cloudy. Light northerly winds.  
Start at nine p.m. & spend the day  
running shore line from South Head  
to South End. Mr. Baker gets  
some equal altitudes & circummeridian  
observations. Capt. Herendeen gets  
some bearings from a hill in the  
middle of the island, on some of  
the outlying islands. Return about  
7 P.M. cloudy

Tuesday July 15

Cloudy with some fog & moderate  
easterly wind. Go over to Little  
Kyska and run the shore line  
take the angles & alter the position  
of signal. Back by 5.30 P.M.  
Evening raining

Wednesday July 16

Platting shore lines all day & arranging  
collections in P.M. Raining foggy &  
strong S.E. wind

Bearings from Hill on the  
north part of Pyska Island by  
Capt. Herendeen.

Reef breaking toward Pillar Rock N. 54 W

Pillar bears N 60 W. 2nd day 62 W

Bouldy " N 65 W? " 78 W

High head N.E. part Kyska N 53 E

N edge Iron Id. - N 70 E

S " " " N 86 E

S edge Little Sitkin S 88 E

N " Rat Id. S 78 E

N.E. corner Little Kyska } in N.E. S 75 E

S edge Rat Id.

Small Id. off Little Kyska

S edge Amchitka S 69 E

Island Δ S 55 E

S Head Δ S 41 E

S End Δ S 4 W

Astron Δ S 7 W

Belt of lowland with lakes  
cuts across the island just  
north of this peak & between  
it and the north peak.



Thursday July 17

Windy, rainy & dense fog - Plotting  
shore lines all day P.M. Playenb -

Friday July 18

Heavy wind squalls & rain early in  
A.M. Later foggy. Plot shorelines.  
P.M. Go ashore, run shore lines &  
take a set of observations for magnet-  
ic azimuth which are interrupted by  
fog. Explore the village & go aboard  
Evening foggy

Saturday July 19

Day commences partly clear but  
clouds over with variable light  
winds. Observations for time  
interrupted by clouds. Spend the  
day taking angles from various  
stations finishing the map of  
this harbor

Sunday July 20

Storms hard all day from the SW  
Rain, fog & high winds. Work over on  
sheets in A.M. P.M. clears some what  
& see more stars than any previous  
night this season. Wind more moderate

Monday July 21

Day perfectly clear - a little fog lying  
very low on the horizon. Wind light  
and variable - Tidal observations  
soundings, Astronomical azimuth &  
circummeridian altitudes for latitude  
take in the day



Tuesday July 22

Morning somewhat foggy, nearly calm - Take observations for magnetic azimuth, dip, and P.M. soundings & a little dredging with tidal observations

Wednesday July 23

Stand out of the harbor in A.M. & try to pass between Mm Id. & Little Nyska, but the weather is so foggy and the head current so strong that we are obliged to tack & go to the northward. Get a latitude for our position at noon N.E. of Mm Island, which places it some miles south of its position on the chart. Day very foggy, wind southerly moderate. Spends the night tacking about in the Amchitka passage

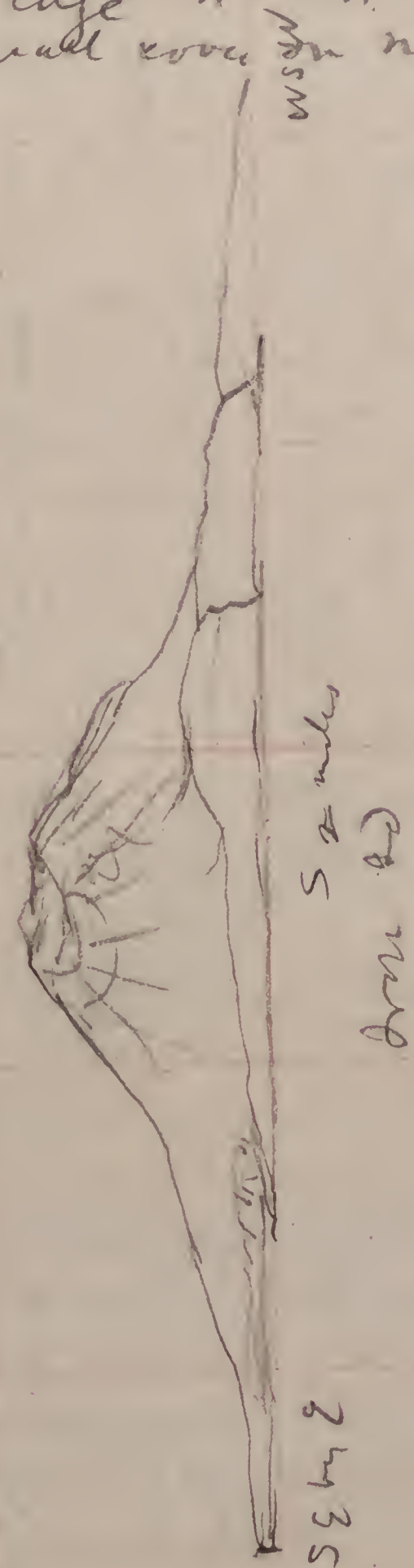
Thursday July 24

Day densely foggy. Wind fresh S.S.E. Day lifts at times and we see the coast of Amchitka and after running along the coast for some time stand into Constantine Bay and anchor in E. part near bottom about 1 P.M. Shortly after this the fog shuts down very thick again.

Top Chwootoff 80 by S  
" Mm Id 80 by S  $\frac{1}{2}$  2 miles  
N Edge " " ESE  
Small rock on N.W. shore

E slopes long & low  
N abrupt rise  
W sloping & bluffy

35. EV  
34. 40





work during the P.M. on board

Sunday July 25

Foggy & cloudy, wind light, southerly  
Morning work over charts. P.M.  
spend on the beach ashore. She  
went out for fish and returns  
with a lot of cod and two fine  
halibut

Saturday July 26

Foggy & cloudy in A.M. wind lt  
southerly. Capt. Herenden goes out  
and gets a number of birds. I go  
out dredging but don't get much  
except *Buc. Kennicottii* - dead -  
and a *marzenia*. P.M. attempt  
observations for time but sun does  
not come out. work on chart & speci-  
mens. P.M. Play crib - & fix up some  
collections in a keg.

Sunday July 27

Foggy, calm. Noon sun out at times  
try for circummeridian altitudes &  
get a few tolerable ones & in P.M. try  
for time with poor success. Dig  
for prehistorics & get a good lot

Monday July 28

Morning foggy & rainy fresh south  
wind. work over collections P.M.  
skin birds. Capt. Herenden digs  
out a few more prehistorics  
Evening rainy



2y Tuesday July 29

Foggy & rainy, wind S.W. Equally. Clear a little & we start in a boat to examine Kirilloff Harbor. Beat up against tide & nasty sea reach middle point of island & take a few bearings. Then proceed to higher next mouth and take some tea. Then start to return not having recognized the harbor & seeing a gray object on the hill stand into a short rocky light behind a reef with a very narrow entrance and find ourselves at the anchorage - so-called. There are about fount of water at the sheltered portion and seemingly not over 2 fms any where. It is quite unfit for any thing except the smallest vessels and far inferior to Constantin Harbor. Return in 20 minutes to N.W. head of latter & get aboard just as it begins to rain. P.M. sun out a little. Baker Maye get the magnetist solar azimuth.

W. 57 W 29  
L. 57-9 44.5

Take these bearings from Lupt  
N.W. of Kirilloff Harbor

East Cape	E 5 S
Const. B.W.N.	S 65 E
D	S 48 E
E to next W	S 38 E

W

N 57 W 29  
Lupt 62 W



Wednesday July 30

Rainy & foggy. Suber worms through  
now & then, and we get one observa-  
tion with vertical circle in P.M.

Thursday July 31

Day rainy. Strong South wind & very  
dense fog. Work over monthly  
reports. & copying.

Friday August 1

Rains & storms all day. Fix  
table in A.M. P.M. go across the  
island finding a few full broods  
on the south side, get thoroughly  
wet & return at 6 P.M.

Saturday Aug 2

Rains & storms all day from S.E. very  
thick fog. Work on copying. Birds fresh.

Sunday Aug 3

Rains & storms all day from the  
Eastward. Skin some birds. Wind  
moderate, more easterly than yesterday.

Monday Aug 4

Rains & blows all day from S.E.  
with fog. Work over copy my notes.

Tuesday Aug 5

Rainy & stormy from S.E. with fog.  
Go ashore in A.M. P.M. attend to copy-  
ing. In evening weather settles a little  
but wind remains the same.



Wednesday Aug 6  
Morning half clear with fresh SSE  
wind and streaks of fog constantly  
passing over. Till 1 P.M. observations  
until 1 P.M., weigh anchor  
and stand out of the harbor  
when it shuts down thick with  
light wind.

Thursday Aug 7  
Cloudy & rainy in A.M. later  
clears off finely - See Gorchoi  
Peak and Tanaga and get some  
observations for height on the  
Peak of the latter. Night partly  
clear, calm, with fine full  
moon & stars visible -

Friday Aug 8  
Morning thick fog & rain with  
strong wind from SEastward, so  
we have to reef - Later wind  
dies away and we spend the  
whole day beating against it  
with poor success; about 4 P.M.  
sound off the mouth of Chagakh  
Bay and find not over 2 fms  
in the kelp but none inside. An-  
chor outside about a mile off  
in 14 fms sandy bottom. Foggy  
& calm -







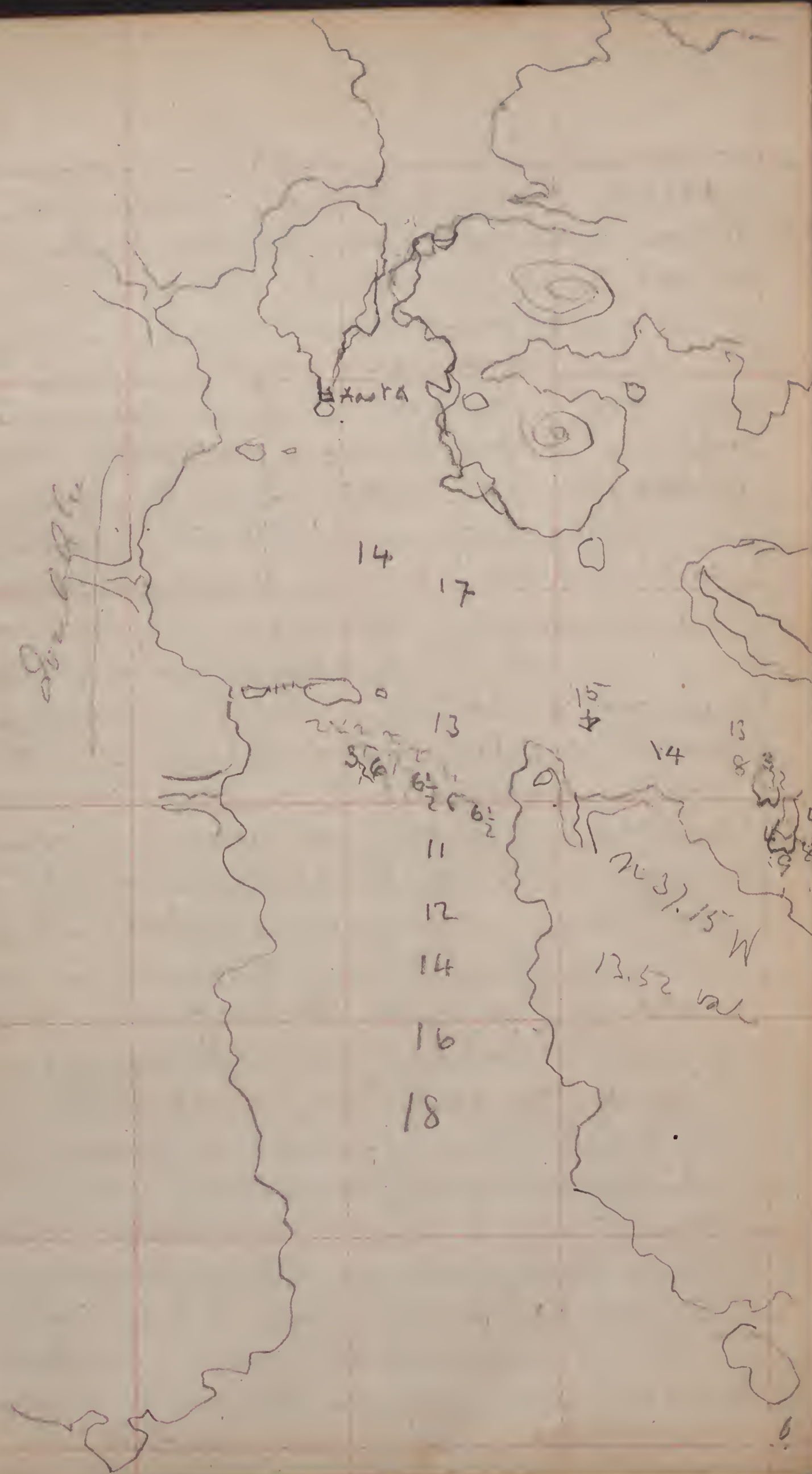
Monday Aug 11.  
Morning fresh on wind - half clear  
Observations for Lat Long & azimuth  
Go out dredging, fill water & get  
ready for sea -

Day faggy & calm. Turn out a  
little A.M. & P.M. morning obs-  
ervations for time. P.M. do inter-  
ruptedly fog. Pack collections  
to in P.M. go to village & dig  
getting very little.

Morning foggy & wind very light  
about noon manage to work  
out of the harbor & stand out  
into the straits. Strike a porpoise  
P.M. Get observations on the highest  
peak of the N. Part of Adak  
making it approximately  
5700 ft high - Evening moderate

Day foggy or cloudy  
state or light

Day cloudy, nearly calm until  
saw a right whale porpoise and  
many fur seal - about  
9 ft. all. Long the ship up in  
the wind, being in about lat  
~~52.23 N~~ 4 lon 175.01.30 W.G.





and take a sound, getting bottom at about 700 fms. Day cloudy wind very light or more.

Saturday Aug 16

Dead calm, all day until late in evening. Sails mostly furled to keep from slatting & a nasty N E swell - cloudy

Sunday, Aug 17

Wind light & ahead, little current. Beat all day into Nagai Bay, and about 6 P.M. anchor in the harbor in 10 fms muddy bottom. Macarty the agent comes off to meet us, all the natives except two old men & some women are away. The natives live in the old Korinsky Bay settlement, in a small bay on the Amur side of the rocky & impracticable strait between Amur & Altha & here. About 300 in all according to him. 16 died this summer of a contagious disease resembling epizootic but attended with cramps. There are six board houses & a number of huts. The harbor is well sheltered from all winds but a little swell comes in in northeasters but not harmfully.

Let go -

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

h m sec  
12.52.00

25-25

55-30

28-35

07-39

48-41

35-47

22-47

13-51

09-56

07-58

04-55

03-54

04-55

08-59

53-105

Lead came up clear about 700 fms.

Position 52.19  
175.23

Kasatochi 2d house S by W  
Kioningi E by S 1/2 S



Ledges rise & fall about six feet  
Codfish plenty on the west side  
of the island herring in their season  
Many whales about. Macarty stays  
to dinner.

Monday August 18, 1893

Morning, rainy foggy, squally SW  
wind. Two Korovin's natives &  
Macarty aboard. P.M. go ashore  
& look in at Macarty's house  
& go over on to the sand beach &  
pick up some shells

Tuesday Aug 19

Rains & storms from the SE all  
day. Macarty aboard to dinner.  
Make out payrolls

Wednesday Aug 20

Rains & blows from Eastward all day  
Work over sketches.

Thursday Aug 21

Foggy & rainy with occasional  
squalls from the SE and glimpses  
of clear sky toward evening  
Dredge all day. losing one dredge  
& breaking another. Get a new  
Chrysodromus. Capt Herendeen goes  
over to Korovin's Bay with the  
natives. My 29th birth day

Friday Aug 22

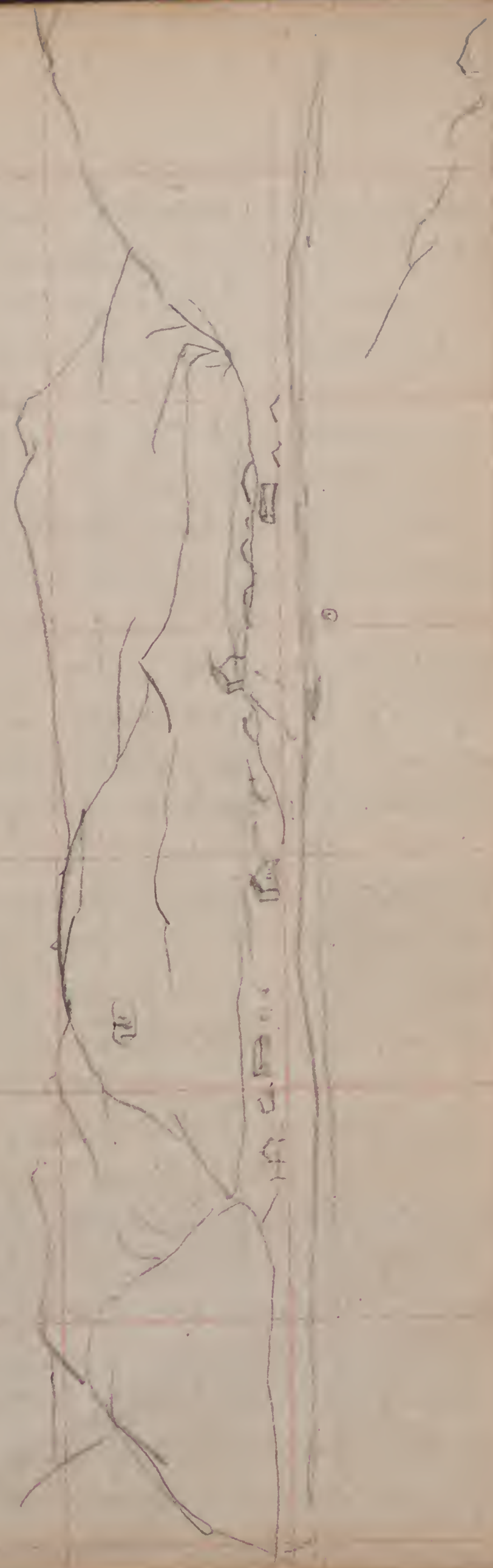
Foggy & rainy with strong squalls  
from the SSE. Work over sketches  
P.M. wind & with heavy squalls



La Saturday Aug. 23  
Foggy & rainy - P.M. with heavy S.E.  
squalls. Workover sketches & notes  
Sunday Aug 24

Morning cloudy, soon clearing partly  
with a change in the wind to the  
westward. Observations for azimuth  
interrupted by clouds. Take the boat  
and cross to the point where a  
cave is reported to exist & find  
an old camping place from which  
we got a very few implements. P.M.  
go around among the islands to  
the southward in search of caves  
but can find none, the natives  
seeming equally at a loss.  
Evening P.M. Observations for  
azimuth & time. Nearly clear.  
Evening fog rolls in again. Go  
ashore & spend the evening with  
Mia & family. See wild geese going south today.

Monday Aug 25  
Take a bidarkia & go across to  
Korovin Bay up the small bay  
and up to the hot springs, after a  
very fatiguing walk of two hours.  
Return & go to the old village  
& spend the night at Lestynkoff  
where every thing is very nice & warm  
& two pretty girls among his daughters.  
Day foggy & wet with light westward air.





Tuesday Aug 26

Morning go about & see the sick people, then cross the Bay to the reputed coal mine & back to Nazam Bay. P.M. - Go down to the Cave and get an axe & spearhead & 13 skulls with some small bones.

Attempt observations for latitude about noon are interrupted by clouds. Day with light westerly winds - and many passing clouds - foggy in A.M.

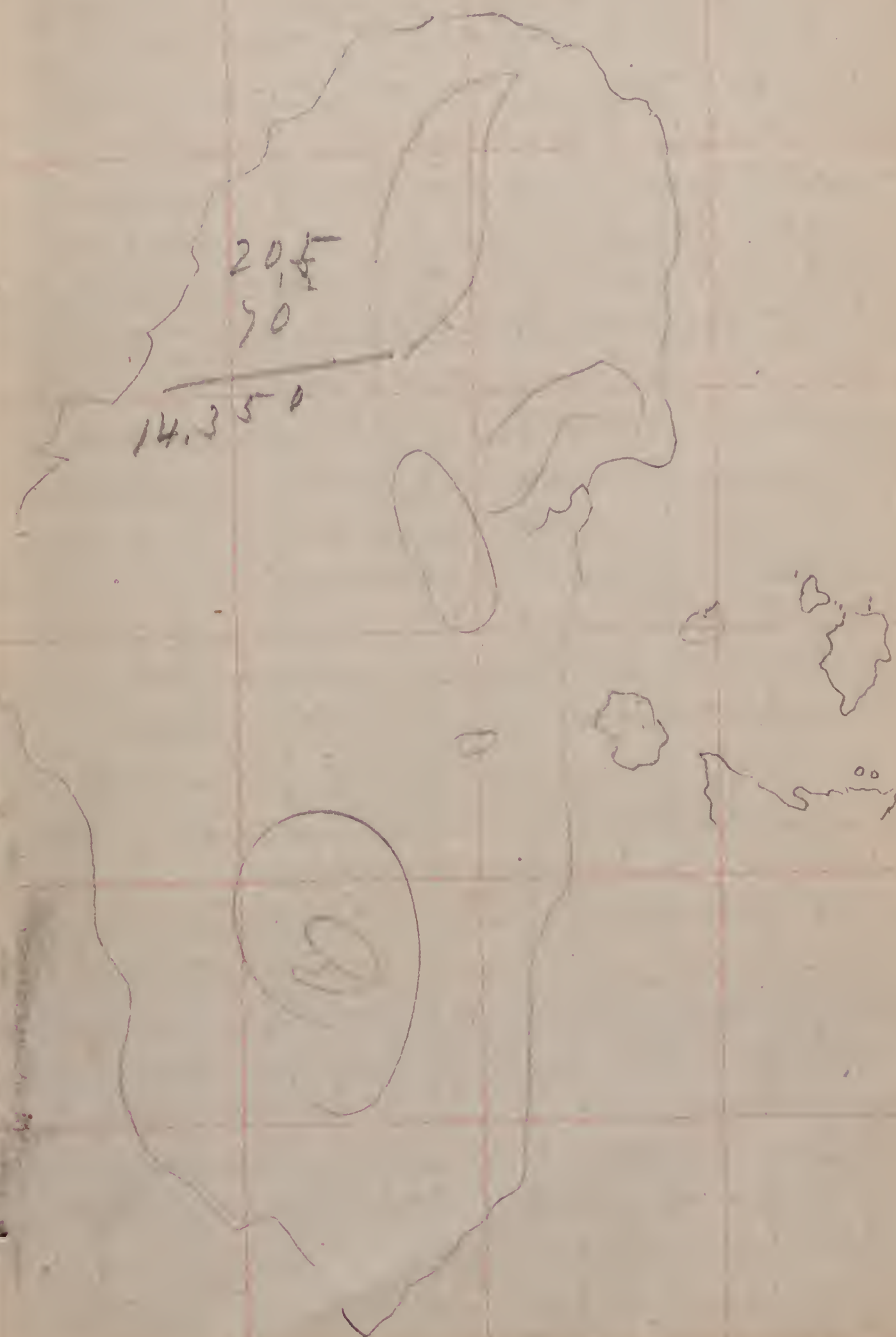
Wednesday Aug 27

Day with westerly but light winds in A.M. settle up accounts & weigh anchor and sail for the Four Craters at 11 A.M. out side wind freshens and we have a very nasty old NW swell. Half cloudy & fogging overboard

Thursday Aug 28

Swell continues. Day partly clear with successive fog squalls passing over. Sight the most northern of the four craters which is a very irregular and sharp rocky island of small size separated from the

next SE of it by a strait say two miles wide partly narrowed by a small reef from island no 2. Around the point of this island the shores are rocky with one prominent point making out





to the eastward to the south of which  
 is a high where a landing might  
 be had in calm weather. Lowland  
 + a stream behind it and a good deal  
 of driftwood on the beach. The SE  
 end of this id is a moderately  
 high broken rocky point. The  
 peaks were covered with fog.  
 The larger id to the S of this is separ-  
 ated by a pretty wide passage  
 with two small islets near its E  
 opening. There is a low pt visible  
 behind which we suppose there must  
 be the anchorage spoken of by the  
 natives which would thus open to  
 the NW. Beyond this was a long  
 narrow low pt seemingly the  
 end of this id. There was more  
 land to the W of the passage but  
 obscured by fog.

Island no 2 was composed of volca-  
 nic breccia or conglomerate in  
 nearly horizontal layers coming  
 to the water's edge near the north  
 portion but underlain by what  
 appeared to be metamorphic slates  
 to the southward and the SE cape  
 capped with peculiar red cream  
 colored earth.

Coast round the islands but  
 find no landing place and the

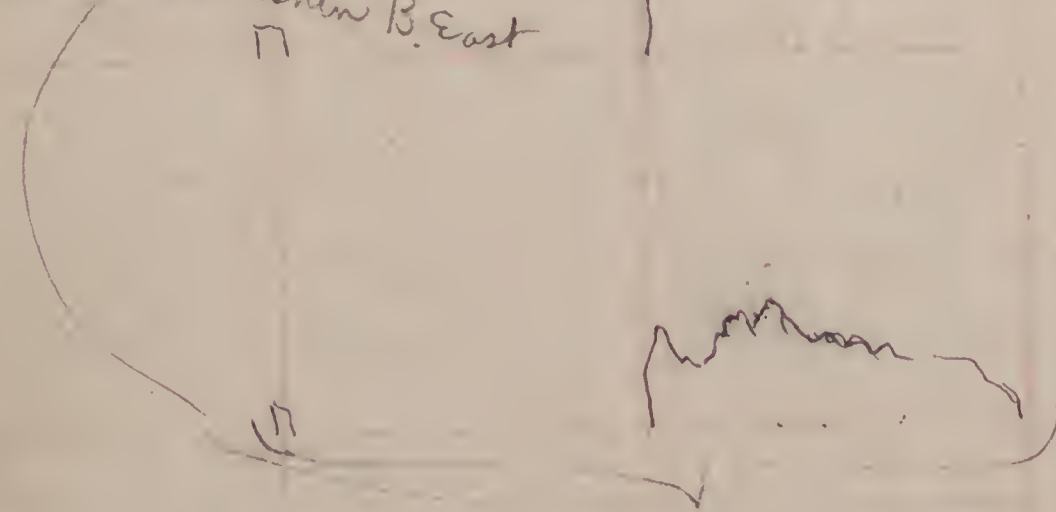
Northernmost island of Four Craters



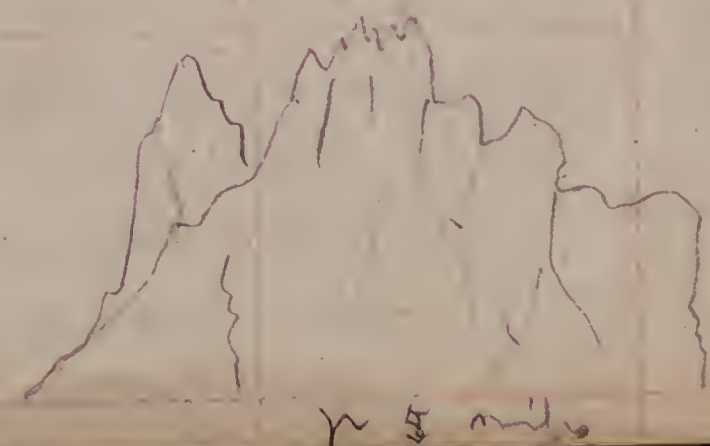
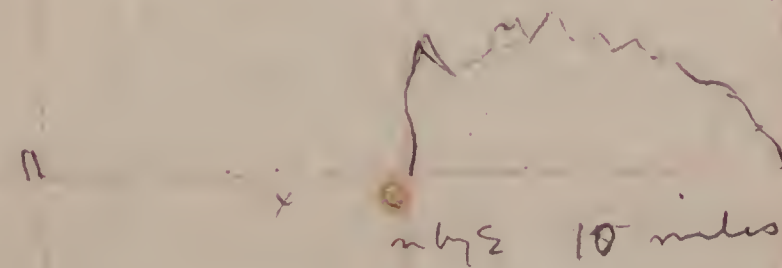


Friday Aug 29

The island is a sharp hogback ridge with the edge broken into pinnacles of the greatest asperity disposed in three principal groups - there seems to be little or no shore to it except the high border of the bluff except near there where the talus comes down to the water - when the bearings A were taken



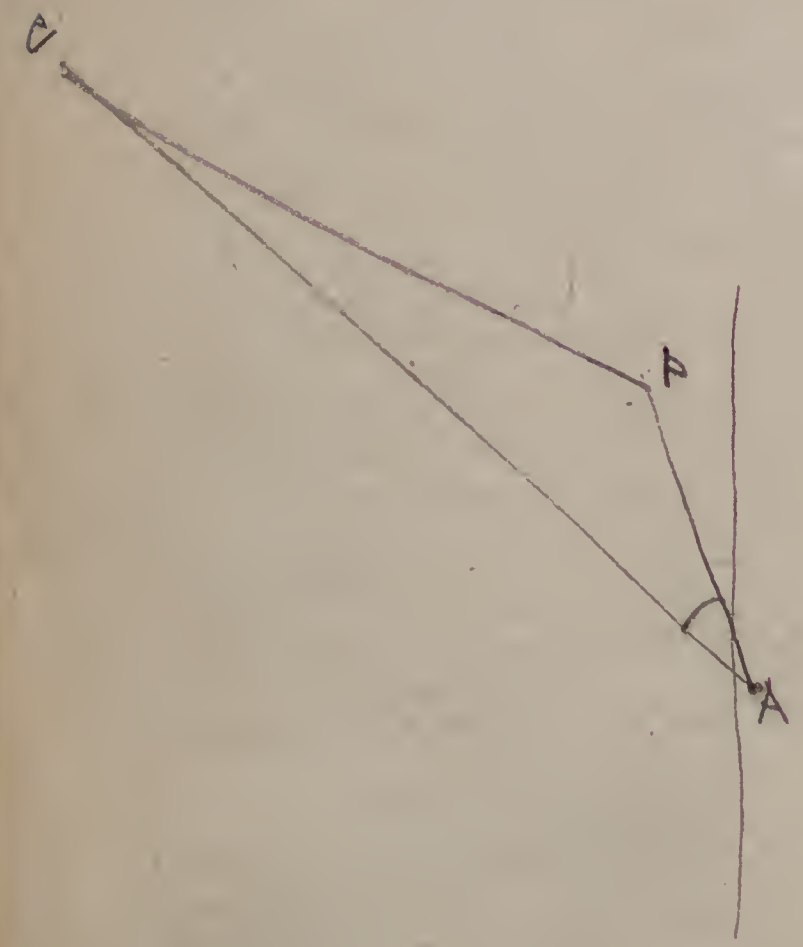
B. 2.19.50  
5 24.50





45.00.00  
2 48.15  
42.11.15  
11.15  
30.56.15

30.56.15



S Log E  
WWW  
11.15.00  
40.00.00  
22.20.00  
123.45.00  
30.56.15  
154.41.15  
179.59.60  
25.18.45

SE 1/4 S 22.70  
ESS 2 48 45

the island by there being about ten miles off. 1/8 mile at noon? sound with a light lead in 250 fms water & no bottom. Haul in & substitute a heavier lead & taking bearing B run out 500m without finding bottom. Later the island bearing WNW and being in its wake directly over the supposed reef sound again 250 fms and again no bottom - turn

Log 4 1/4 bearing NW 1/4 N -  
Course N by W

Elevation 1.18.30  
3520 28.20 off 1.19.20  
85.30 26.50 off 1.20.00  
35110 1.19.10

WNW 1 3/16

1.16.00"  
1.16.20

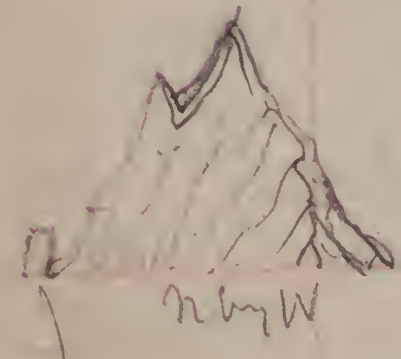
B

C

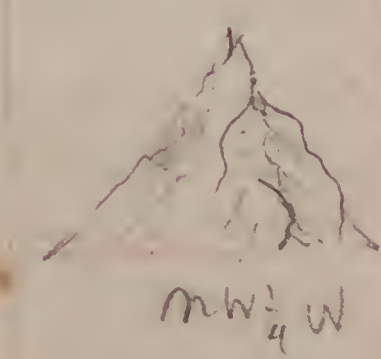
10 1/2 miles

Let go	at	out
4.31.00" -	31.10"	50
	31.40	50
	32.10	50
	32.48	50
	33.25	50
		50 (34.05) (stop)
		(35.10)

only found  
run out 500 fms and  
bottom.



on entirely W side  
unmarked may  
be WNW 1/2 N side



(2 coast line  
and Mark B  
WNW  
ENE 1/2 N  
ESS)



the masthead no breakers are visible, (we could see them 10 or 12 miles) notwithstanding the heavy ground swell - except just around the island when they extend on each side & in the ESE about half a mile. The sea is too heavy to admit of making a landing & the top of the peak is evidently inaccessible even if we could land & we hear away for Una Lashka - There is a slight greenish tinge as of mosses to the rock in a few places but no apparent vegetation. The rock appears to be a pinkish gray color unstratified but with something like a cleavage in the N direction about 60°. There is no crater on it, the top is like a saw edge - the ship rock stands off about as far as  $\frac{1}{2}$  the length of the island from it. It is smaller than the plan given by Sang choff which is otherwise, imperfect. Our observations on it for height are unsatisfactory in account of our drift by the surge & current.

Note in regard to rock off Amilia  
Lyons says there is more but a patch with 8 or 10 fms water which breaks in the heaviest storms

Vesividoff 8048 if 20 miles away as course would give

Lat 53.58 N & Lon 167.33.30 W

make it 845 ft high  $\begin{pmatrix} 859 \\ 829 \end{pmatrix}$



or for some other unexplained  
reason. No position accords better  
with that given on the Russian  
Admiralty charts & not that  
of Sechenoff. P.M. nearly  
calm with heavy swell on  
Saturday Aug 30

Day half clear with very light  
or calm with the same swell  
make very little head way. P.M.  
when two miles off Cape Churchill  
bearing south, sound in 60 fms  
black gravel (fine) Get an obser-  
vation for altitude on Shishaldin  
which as well as Isanotsky Pogrom  
naia &c on Unimak (Runic Pass 1112)  
making it 8683 feet same height  
as compared with the heights  
opposite. Speak the Str. Hutchin-  
son bound for the western side with  
Hennig Humeysky aboard, off the  
W Head of Capitan Bay. Later  
a fresh breeze with squalls from  
the SE springs up & we lay  
to about midnight rather  
than beat in in the dark

Sunday Aug 31

Beat into the small harbor about  
5 A.M. Day rainy squally & stormy  
from SE. Go ashore after mail  
but get only one letter from Elliott

Let's - 5. 54' . 40" 60 fms

alt 8755 Sebenkoff Shishal  
8932 Russ Hydro. Chart  
8683, our obs  
72



Noyes gets one from Mrs Leggie &  
Greenbaum gives us some papers -  
The Alexander with Elliott & wife  
& Capt. Bryant has gone to San  
Francisco Aug. 15 & will not re-  
turn. The Cyane has been here, left  
Friday. May 31 & is due in a  
few weeks again. The Pelican  
& John Geo. Francis Train for  
Jensen have also been here -  
Spend day reading up the news  
Monday Sept 1

Day stormy with occasional  
squalls, cloudy. Pull with a little  
sunshine. Attempt observations  
for time with sextant but high  
wind interferes. Work over notes.  
Night clear. Baby Howe starts

Tuesday Sept 2 returns

Day calmer. Early dull or  
little sun. but obs. for time  
are frustrated by clouds -

Baby Howe sails for Apia  
later rains Wednesday Sept 3 work over

Morning cloudy with heavy rain in  
early A.M. later squally. evening  
heavy blow from West, with rain  
& squalls. Work over porpoise bones  
& pictures. Pack fish &c

Thursday Sept 4

Rain & storm from W all day. Work over  
sketches & porpoise drawings



Friday Sept 5, 1893

Morning cloudy, wind light easterly  
Go up to the spit to look for the  
Whale reported to have been stan-  
ded there but do not find it -

Return & go ashore for a little  
while, call on Wagner & Cranebarn  
& take the former off to lunch  
P.M. Go to Swinoc Id & erect  
a new signal but wind rises  
and we are obliged to return  
in a hurry. Shanfelt off to sup-  
per - evening work and collection

Saturday Sept 6

Rains all day, wind lt SE & E  
Work over sketches, bones, plants  
&c &c -

Sunday Sept 7

Morning partly clear. observa-  
tions for time. Later cloudy with  
rain squalls, at intervals. Go  
on to Amaknak P.M. ashore on  
the spit, natives all drunk

Evening Wagner comes aboard.

Monday Sept 8

Morning perfectly clear & calm  
Observations for time and azimuth  
Soon clouds up and becomes foggy  
with light easterly wind. P.M.  
angles from Keystone Station -  
Evening go ashore & call on Wagner



Tuesday Sept 9

Slow steady rain all day. Wind from S + W - work over copying positions

Wednesday Sept 10

Cloudy. Wind moderate westerly. Spend day taking angles from North Head + Round Top Is. P.M. work over porpoise bones. Capt goes trout fishing + get 53 trout

Thursday Sept 11

Morning cloudy, windy to S. a few slight drops of rain. Spent day running shoreline on Hay Island + taking angles. Balushka dines with us

Friday Sept 12

Cloudy wind light in A.M. fresh in P.M. from W. wind, go to the Eida village and take angles from Eider + with Capt. Heward. Baker, Voya + Bailey ascend the volcano the top of which is however wrapped in fog which obscures our view of the crater + bay. Return by P.M.

Saturday Sept 13

Morning half clear, calm. Observations for azimuth + afterwards angles in Hay Island



Work over astronomical positions  
Evening washroom & call on  
Mountaint Wagner, Capt. Jones wife  
Sunday Sept 14.

Day cloudy wind moderate &  
variable - Work over packing  
specimens. The old Alaskan comes  
off at lunch & I get the  
names of the whalers in Aleut  
In the evening call on Shoop  
& the old priest

Monday Sept 15

Morning wet fog which continues  
nearly all day. Work over packing  
to getting a good deal of stuff  
out of the way. Also work over  
memoranda of positions something  
to be for report - Evening mending  
Mr. Clay comes aboard -

Tuesday Sept 16

Morning with fresh southerly  
wind and broken clouds. Obs  
for azimuth. Later cloudy squalls  
& rain. Evening clear & calm obs  
for azimuth on the pole star -

Wednesday Sept 17

Morning, cloudy, wind light SE -  
Angles between the signal used in  
polar star azimuth and church &  
and magnetic azimuth of latter  
P.M. wind fresher. Take the



Large boat and go to Hog Island  
finish angles from Swine and  
shore line of island. Return to  
vessel at 6 P.M. Evening rainy

Thursday Sept 18, 73

Morning cloudy - wind light, northerly.  
Observations for magnetic azimuth  
with. Wind very fresh north.  
Work over clerical work & trac-  
ings. About 5 P.M. the Cape  
comes in & brings us a large mail

Friday Sept 19

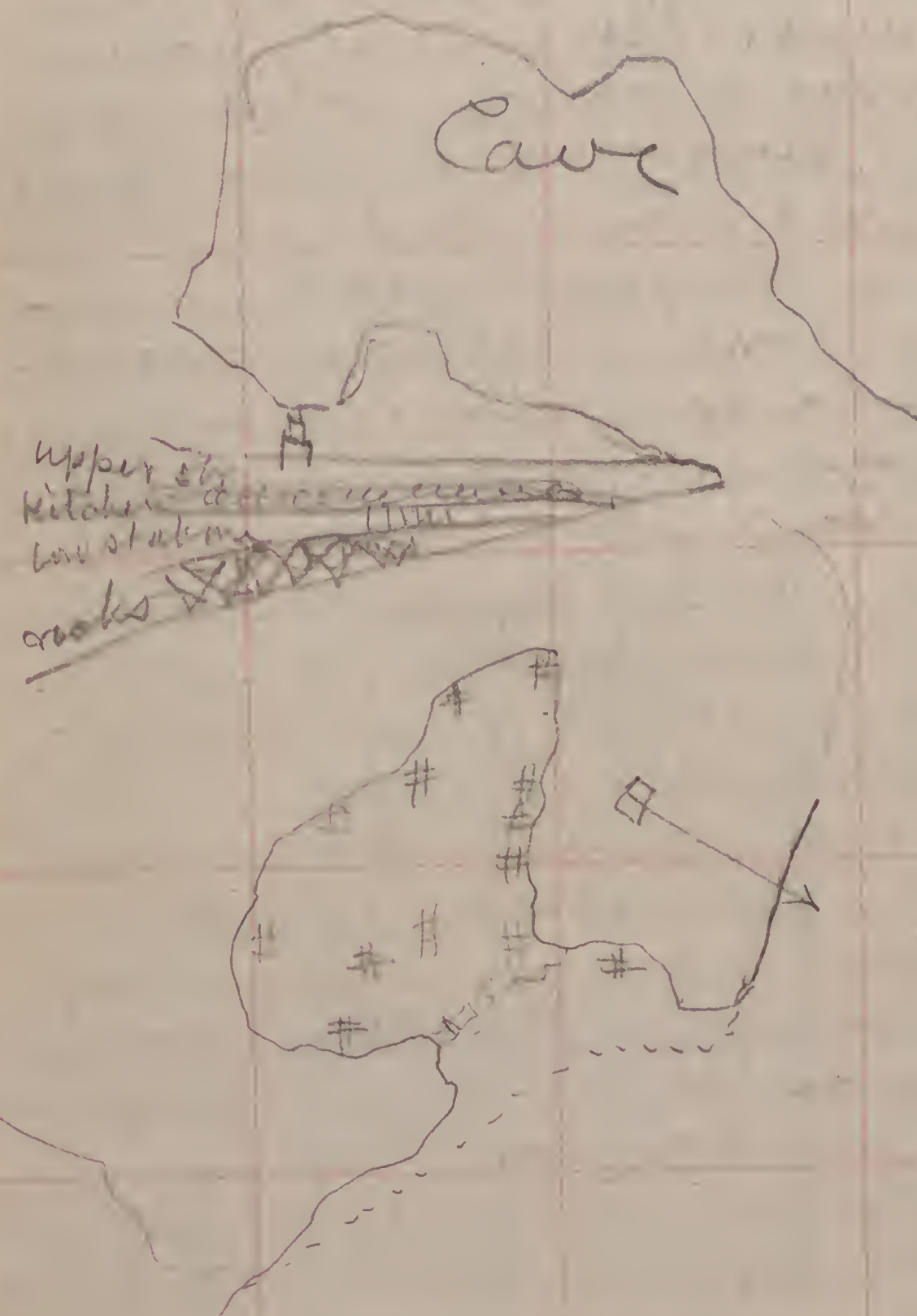
Cloudy wind northerly moderate  
Magnetic azimuth again -  
Work over pay rolls & get off  
stuff from storehouse ashore

Saturday Sept 20

Cloudy fresh N. wind -  
Observations for time interrupted  
by wind & clouds  
Work over accounts & letters of  
official character Evening  
over prehistories

Sunday Sept 21

Cloudy light to fresh N wind  
Work over various matters  
packing &c - P.M. dig in cave  
Evening, Call on the priest &  
arrange prehistories





Monday Sept 22

Day half clear, wind NNE fresh by  
spells - P.M. - calmer, Obs. for time  
with vertical circle. Write letters, P.M.  
go ashore & go off to the bark with  
Greenbaum & Capt. May -

Tuesday Sept 23

Day stormy with an old fashioned  
Southeaster - We had hoped to  
sail for the Shumagins today  
but the weather forbids -

Wednesday Sept 24

Wind mod SE rainy & cloudy all  
day. Work over sketches & sons - P.M.  
get 30 salmon at anchor.

Thursday Sept 25

Morning cloudy light Southerly air  
towed out of the small harbor &  
anchor in dead calm outside  
sent letters ashore & get some from  
the priest. About noon stand  
out of Captain's Bay on our way  
to the Shumagins - Wind very  
light so we make very little  
headway.

Friday Sept 26

Day cloudy wind light & variable  
varying the compass. Hook around  
all day in the neighborhood of Akutan  
Early morning see a schooner in  
the offing steering S. perhaps the Sulta.



Saturday Sept 27, 73  
Morning cloudy strong breeze from  
the eastward sea running.  
Stand to N + W-ward to escape sea  
Barometer falling steadily. Knock  
around all night under moderate  
sail.

Sunday Sept. 28, 1873  
Cloudy with occasional rain  
squalls high sea and half a  
gale from the Eastward.  
Stand to the southward under  
reefs - lay to a part of day.

Monday Sept. 29  
Laying to all day - Cloudy  
with occasional squalls &  
very low barometer.

Tuesday Sept 30  
Light wind from S + E all day  
with occasional rain. Work  
over Δns of Ryska &c

Wednesday Oct 1  
Wind light from S + E. rain at in-  
tervals. Work over clerical work  
Unalakka in sight in P.M.

Thursday Oct 2  
Wind light & westerly. Cloudy. In  
early a.m. off Captains Bay. During  
the day gradually work through  
the Alaskan Pass and stand to the  
southward. Wind light, changes to East  
and southerly.

Bark Cyane arr. S. F. May 22  
4 c. furs, ballast & 800. Meyer passenger

Bark Cyane arr - Aug 4. (16 days out)  
Pass. Wm Kopus, Chas. Peterson & 10 others  
27 boxes foxskins  
79 " 183 pkgs, 3 kegs furs 3002 wal. tusk  
2 mammoth tusks, 1 keg crockery  
41,238 seal skins  
2 pkgs moose.



Friday Oct 2, 1873  
Day with fresh N.E. wind, more or less rainy and with a bad sea making slow progress toward our destination.

Saturday Oct. 4  
Blowing hard all day - with rain and squalls. Making headway under double reef. P.M. moderates a little and sea becomes more quiet.

Sunday Oct. 5  
Very strong NW breeze, make seal rooks about 8 A.M. & pass Delaroff Harbor where they set the traps for us and beat up Popoff Straits anchoring in Humboldt Harbor, our old station of last year, about 12.30 P.M. Catch a good many codfish over the side. P.M. rainy & blowy.

Monday Oct 6  
Day half clear with fresh strong NW wind. Obs. for azimuth & latitude partly interfered with by clouds & wind. So down to sand point & walk back to vessel. Capt. Neven seen catches some trout in P.M. work over monthly reports.

Sept.

15 days work done  
1 fog  
6 rain & wind  
5 at sea  
3 Sundays

30  
4  
26

Cloudy	Rainy	clear
III 1/2	IIII	III 1/2
III	IIII	
IIII 1/2		
II		
Snow	II 1/2	IIII
II	II	IIII 1/2



Tuesday Oct 7

Day nearly clear with moderate westerly wind. Obs. for time latitude & azimuth at Sandpoint. Sailed for Delaroff Harbor about nine A.M. with sailing master Lord mate & 4 men reaching the settlement at 11 A.M. P.M. go over to cave & get out a large number of wooden carvings &c

Wednesday Oct 8

Stormy in P.M. Strong squally westerly wind with rain at intervals till day - Stop with Thompson H.K.s agent and are nearly eaten up by the fleas - Spend A.M. with Bailey at caves & clean them out - P.M. a boy brings in another mask & we go & clean out a small cave to the north of the town - get 13 skulls & two boxes of carvings -

Thursday Oct 9

Stormy with snow all day - Stop at the harbor to our great disgust - Thompson (V. M.K.) is very kind and gives us a full account of his sufferings on Sannakh - Bath is dead & wife gone to Fairco - The sch. flying



Eagle about 30 tons was at Coal Harbor - where Dick has set up a little store with goods from the Comer Arctic trader. Caton got 155 skins this spring otter worth here 70 dollars + at Kodiak 120. Flying Eagle has been here some time went to Kuriles. otter hunting + got 17 with winter here. Capt John Bryant in charge -

Friday Oct. 10

Day half clear - Fresh west by land. Boat up from Belar Harbor to the vessel in 3 1/2 hours. Obs. for azimuth + magnetic azimuth interfered with by wind. P.M. assent clear + valuable collections - Evening clear with weather quite cold snow on all hilltops.

Saturday Oct 11

Morning clear with very strong NW wind. P.M. cloudy, SW wind with rain. Work over Ams + L.M.s. - Tommy sick. Capt goes trouting with some success + hooks a salmon - Bill water.

Sunday Oct 12

Strong SE wind with rain + squalls later shifts to SSW. very strong



pack skulls and carvings in  
A.M. work in P.M. over clerical  
work & records -

Monday Oct. 13

Wind moderate shifting to Westerly  
with rain. Cloudy. Work  
over clerical work - Capt. Her-  
leen looks for salmon & shoots  
some grouse

Tuesday Oct. 14

Day windy with rain & snow P.M.  
strong Westerly wind. Work over des-  
criptions of stations - About 11 A.M.  
get a note from H. Chipman stating  
that the scho. Wm. Holden. Holder  
master has been totally wrecked  
at Delavoff Harbor during the gale  
of Oct 12. wait for Capt Herndon  
& Davis to get back from the Unga  
shore and write to Chipman that  
we will give them a passage down  
if they wish it & will come to us  
from the settlement. send the  
letter by the bidarka which brought

Wednesday Oct 15

Rainy with southeast wind toward  
night blowing half gale -

Capt Holder comes up from  
Unga in a bidarka and stays  
to touch starting back in P.M.  
but is obliged to return on account



of the storm. The USS Ireland and  
she would have been to Kadiak  
this summer. The Saranac sailed  
for Sitka with Capt George as pilot  
during the summer and the Reliance  
was said to be coming over to re-  
lieve Wayne & look after the  
comet which landed goods at  
Cord Harbor without going in  
to a port of entry.

Thursday Oct 16

Rainy & stormy from the SE & S all  
day. Work over indexes & descrip-  
tion of stations. Storm keeps  
Capt. Holder with us all day.

Friday Oct 17

Capt. Holder leaves for Kuga early  
in the A.M. Day fine, nearly clear  
with moderate breeze from the  
westward. Obs. for magnetic & solar  
azimuth with theodolite, latitude &  
time with vertical circle. About  
9 P.M. Capt. Holder, H. Shipper &  
five men from the wreck of the  
USS Ireland arrive in Gardner's boat  
to take passage with us for San  
Francisco.

Saturday Oct 18

Day with moderate NW breeze  
& north west wind. weigh anchor  
about 7 A.M. and stand to the



Southward on our way to San Francisco - Gardner & his partner leave us early in A.M. - A heavy swell from the westward out side - Day tolerably fine & making good time on our course

Sunday Oct. 19

Cloudy commencing with light westerly winds & smooth sea and ending with strong southerly winds and some swell on a good wholesale breeze the latter part of the day

Monday Oct 20

Blowing half a gale from SE with rain & heavy sea, much pitching & rolling - P.M. toward night clear & little shift to the SSW -

Tuesday Oct 21

Moderate south wind all day mostly cloudy with a good deal of swell making an ESE course -

Wednesday Oct 22

Day cloudy with moderate S. wind all day - Work over masts - evening Holder & I play Capt. Hornum & Noyes at crib for the championship. Win seven out of 14 games Holder has seen the *Diomedea nigripes* breeding at Gaspar Rico Reef

Lat 14 N Lon 167 E about NE true from the Marshall group They lay one or two eggs on the ground - Petrels, *Sterna bergii* & a bird white with bay red feather in its tail called by sailors the Boastwain. The eggs of *D. nigripes* are nearly white. Capt. Hornum says they are also said to breed at the Galapagos Is. - but is not certain it is the same species -

*D. nigripes* joins us today Oct 22



Thursday Oct 23

Weather much the same  
cloudy with strong southerly  
wind & SW swell, vessel making  
about an E mag. course

Friday Oct 24

Weather unchanged - Play  
crib most of the day which  
is too rough for work

Saturday Oct 25

Weather unchanged Play crib &  
win 13 out of 25 games

Sunday Oct 26

Weather cloudy much the same  
but wind lighter & more variable

Monday Oct 27

Dead calm all d. till 9 but 49  
24.01 and low, 132.47.00 but noon  
sounded with fine breeze as follows  
opposite, broke the first line  
with too heavy lead. Haul in a  
good part of the line but a  
whale appears to have broken  
it when part was in.  
No bottom reached. Later  
a little northerly air which  
dies away & comes out  
SE late in P.M. - One balloon  
is nearly worn out with three  
unexampled southerly & easterly  
winds at this time of the year

80°<sup>W</sup> <sup>max</sup> 64 ftn

		1624-		10.184	
		<del>90 50</del>			
		10.05.00			
		05.33			
100	100	06.58	1.25		
100	100	08.45	1.47	22	
100	100	11.04	2.19	32	
100	100	13.35	2.31	12	
50	14.55				
50	16.13	16.13	2.38	7	
50	17.36				
50	19.00	19.00	2.47	9	
50	20.32				
50	22.00	22.00	3.00	13	
50	23.30				
50	25.00	25.00	3.00	0	
50	26.38				
50	28.17	28.17	3.17	17	
50	29.57				
50	31.38	31.38	3.21	44	
50	33.17				
50	35.00	35.00	3.22	01	
50	36.42				
50	38.30	38.30	3.30	07	
50	40.17				
50	42.10	42.10	3.40	0.10	
50	44.04				
50	45.55	45.55	3.45	0.5	
50	47.52				
50	49.54	49.54	3.59	0.14	
50	52.03				
50	54.10	54.10	4.16	0.17	
50					



Tuesday Oct 28

Nearly calm all day. Work on  
magnetics and astron-  
ical observations yesterday

Wednesday Oct 29

Day with light northerly wind  
weather cloudy - See a bark  
in early a.m. probably bound  
for Puget Sound. Play crib in  
P.M. & come out ahead -

Thursday Oct 30

Cloudy, light northerly wind  
See a ~~bark~~ about 4 a.m. Day  
about the same. Steaming ship  
sailing to. Wind freshens a  
little toward night.

Friday Oct 31

Wind a little stronger. See today  
a great many Wrent flying  
to the southward some of  
them lighted on the water.  
Catch two albicore a kind  
of tunny which when cooked  
were very fine eating. P.M.  
wind becomes a good strong  
breeze.

Saturday Nov 1. 1873

Wind fresh weather broken  
for some observations the first  
for several days. Made 215  
miles this 24 hours.



Sunday Nov. 2, 1871  
Off Cape Mendocino. Cloudy  
& calm most of day or  
light head winds. See several  
vessels.

Monday Nov. 3  
Day cloudy with light head winds  
& calms. Land covered with fog  
work over report.

Tuesday Nov. 4  
Day with some sun but foggy  
& with very light winds. Work  
over records.

Wednesday Nov. 5  
Day rainy & cloudy. Wind variable  
southerly. About night see point Reyes  
light. See a number of vessels &  
a great many sea lions, porpoises,  
pelicans and other birds on the edge of  
the Cordell bank.

Thursday Nov. 6  
Morning cloudy, wind light northerly.  
Beat into the heads and anchor in  
Mission Bay about 12.55 P.M.  
About 2 o'clock go ashore to the  
P.O., Coast Survey office &c. Call on  
Stearns, Mrs. Elmer and Capt. Rogers  
& back aboard at 8 P.M.

Friday Nov. 7  
Very foggy in A.M. Take a  
lot of things ashore to the office &



clean it out. Go to the bank &  
draw on Hein for five thousand  
dollars. Telegraph to him. Go to  
Tenants, Brinkwater, Miller & Hall  
Snooks, Wright & Bowers &c and  
dine at Deutch's meeting Mr Gray  
& the Doctor. Then up to room &  
down to vessel at 9 P.M. Capt  
Hall comes aboard & spends the  
night.

Saturday Nov 8

Tenant comes after the circum-  
sters. Have a talk with Capt  
Henderson about Davis & conclude  
to make a change. Take some  
things ashore to my room & get  
ready to stay ashore. Write at  
office & turn over monthly jour-  
nals &c to Davidson. Pull up  
down town to P.O. Lewis. See  
Whitney. get some gum at Hodges &c  
Back to office & see Dr Newton, then  
down with Baker, stop at Sturpsers'  
who insists upon treating. Capt. Holder  
goes back on the Urania in a few  
days. Get some socks & things. Dine at  
the old place. Up town again stop at  
Lacks. Then go over to Stearns &  
meet Fisher & spend the evening

Sunday Nov 9

After breakfast meet Hagen & the

Letter office & nation



street. up to office - then to church  
back to office again & then to room -  
At 2 o'clock go down to the landing  
with Stearns, Fisher, Baker &c and  
go aboard the Tuscarora, Capt. Belknap  
is away but we see the sounding ap-  
paratus and make the acquaint-  
ance of some of the officers. Come  
ashore at 4 P.M. and dine at Capt.  
Noyes'. & spend the evening

Monday Nov. 10.

Morning go to P.O. no letters. Breakfast  
see Ray, get some papers from  
Capt. Noyes' office, up to room & P.  
office. See Belknap. Work over report  
Whitig comes in, Stearns & Fisher - & see  
Capt. Herendeen, get stuff from vessel  
Go down town & buy table & chain  
leave book at Whitneys & back to  
office. Work here till 5 P.M. &  
then dine. Evening with Capt.  
Noyes. Very few letters.

Tuesday Nov. 11.

Breakfast, report Noyes. Then  
to office - Write over report. Capt.  
Herendeen comes in. Write till  
4 P.M. then go downtown, stop  
at Hodges & What Cheer House  
dinner. call on Mrs. Elmer for  
a little while. Evening on Prof.  
Whitney, Woodward being away



Wednesday Nov 12

Breakfast, then down to P.O. then  
to Dr. Cham & Jennings'. Office  
Carpenter & Chris come in & I show  
them off. Work at office, all  
day over report. Stearns comes  
in & away. P.M. down town  
to dine, back to room. Later go  
round to South Park but find the  
De Ros, gone and call on C. L. Ross.  
Mr. De Ros is dead and left the  
family poorly provided for.

Thursday Nov 13

Morning meet Major Simpson  
on the way to the P.O. He & Mike  
are thinking of organizing a fossil  
wary expedition. Breakfast &  
then up to office. Work all  
day over Report &c. P.M. Call  
on Capt. Smith.

Friday Nov 14

Down to office. See Harrison about  
gas, money box, copying sketches &c.  
Work over writing letters. Go down  
to bank & deposit 100 dollars. Get  
a lot of vouchers signed & return.  
Chismore has been in & left  
Walker & Crapton's letters. Write letters  
and down to dinner. P.M. call  
at Capt. Noyes & on the Harrisons.



Saturday, Nov. 15

Morning - up to office. Major J. H. Simpson comes in and requests a letter of confidence on my part as he is going to Ann Arbor to clear his reputation of some cloud which Harrington is reported to have fathered. Get Baker to write a note to Harrington to put him on his guard. P.M. go down to the P.O. for money order then to office & down to vessel at 2 P.M. Get a lot of things up from the vessel. Have a talk with Davis. Up to office & dinner round to Stearns in Pull.

Sunday Nov. 16

Morning, breakfast & up to office and then to church. Write letter & talk with Throckmorton in Pull. Dine at Capt. Hayes' and go down to the Union club in Pull.

Monday Nov. 17

Morning down to P.O. & register Werley's letter. Then to office down town, see Ray, call at bank, get Alaska Herald missing nos. Call on Dick Bush back to office. See Capt. Warren dean. P.M. Association meeting.



Tuesday Nov. 18

Morning down town. See Brown and Daniels at bank. Get 1000.00 in currency. Turn it into gold. Write letters at office. Go to Capt. Herndon's after leaving office and thence to dinner. P. M. Call on Mr. Skelton.

Wednesday Nov. 19

Up to office. Capt. H. comes in. Down to bank and pay off men discharge Alongo, Mr. Davis, & pay the rest up to Sept. 30. Back & leave word for butcher & calves at church. See Uhlikk and arrange with him about map.

And in evening call on Mrs. Hague & play crib of the Elmas

Thursday Nov. 20

Down town, see Klinkofström & go to Robinson's then up to office. A Mr. McManis comes in in search of work. Write letters. P. M. call on Broth.

Friday Nov. 21

Up to office write letters. go to bank. Back to office. Arrange charts for tomorrow - line. P. M. Call on the Noyes.

Saturday Nov. 22

Morning take the 7.30 boat for Vallejo & go to the navy yard



meeting Capt. Belknap who  
takes me over the yard. Call on  
Rear Admiral Rodgers. Dine with  
Belknap get his reports & come  
down reaching town about 9 P.M.

Sunday 23 Nov

Morning breakfast up to office  
church. Mr. Chase shows me  
his Indian relics. Write letters  
dine with Capt. Hayes and in  
P.M. go over with Miss Hayes  
& call on Mrs. Sime.

Monday, 24 Nov

Morning Capt. Herdsee comes  
in and Thomas to be paid  
off with his father. Go to  
bank, see Capt. Holbe. up  
to office, pay Thomas & deliver  
Belknap's reports & pay-  
draft is paid. Meet Burdett &  
dinner and in evening go to  
opera with him. Call at <sup>Alaska</sup> Sec  
Cob's office to see about meteorology.

Tuesday Nov 25

Morning. Rockwell comes back  
and Wilson. Frost & Hancheruk  
come in. Go down town. Call on Mr.  
J. Moss about Radiak meteorol-  
ogy and get one year. Call at Ford-  
ham & Jennings. See Barnard at  
coal. Stop at Examiner's office



up to office and write. Boudel  
comes in and we go down to  
vessel, bring up baskets + dine  
evening call on Mrs. Hogue have  
card for King and call on C. Dow.

Wednesday, Nov. 26.

Morning at work in office. Call on  
Brook and look at pictures which are  
very nice - Leave order for gutters  
at Snooks. Ride up with Dr.  
Newston work over accounts in P.M.  
Dine with Charley Low. Baker goes to Hallam.

Thursday Nov. 27.

Up to office in the A.M. Work over  
chart for some time. A family of four  
comes in to borrow 2.50 to go to West  
Island, having lost all the money  
on a Thanksgiving spree. I'll go  
down to vessel and look over boxes.  
Evening done at the restaurant.  
Stop at Capt. Meyer's to inquire after  
him, and at Stevens where all are  
away. Spend the evening in my  
room reading the Old Nations.

Friday Nov. 28.

Down to see about coal - Up to  
office. Get some shirts, write Bro.  
Murray. Get suit clothes, shoes etc. - P.M.  
with Mrs. Hogue.

Saturday Nov. 29.

Morning get tickets for Monday. Capt.



Harnden brings in bill of lading  
for gloves & three keys. Shipped to  
S.D. yesterday. Work all day over  
means of Kadiak Meteorology -  
P.M. Call on Stearns

Sunday Nov, 30

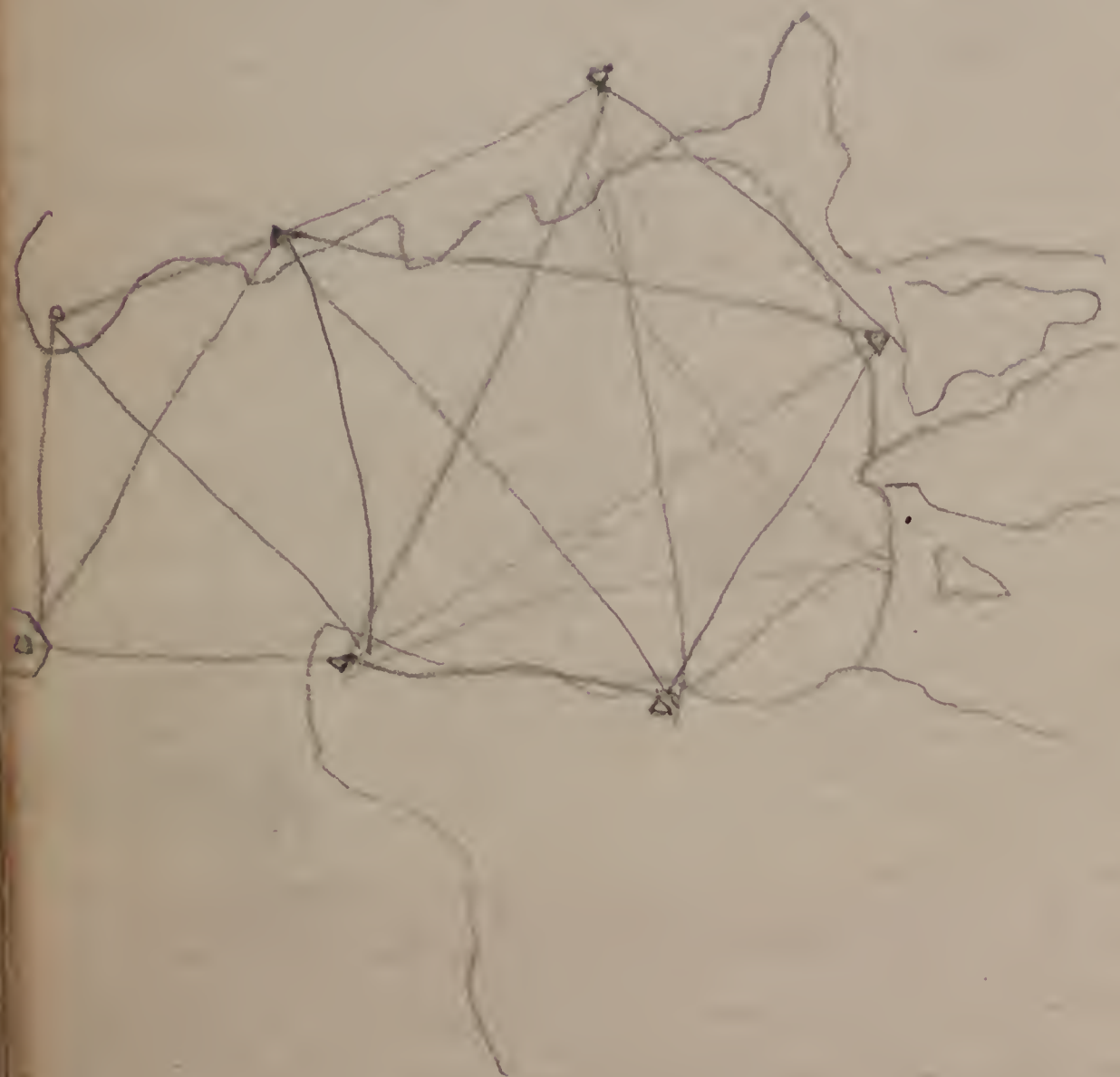
Morning down to P.O. Walk up  
with Simpson. Office church  
& back to office. Write letter.  
Mr. Widom comes in talk over  
work. P.M. dine & spend the evening  
at Capt. Noyes.

Monday Nov

Close book & begin a  
new one



①.	115
②.	160
3.	185
4.	208
5.	150
6.	200
	<u>808</u>
	<u>926</u>
	1018



Stuff ashore of Quaker Run  
 2 Bottles acetic acid under floor  
 Box Glass Photogr. material  
 Box Copperas  
 Box Alum & Bull-jets  
 Box miscellaneous bottles  
 Box alcohol 1 old dredge  
 Box Plaster  
 Small box glass  
 Small boat sails  
 50 boards  
 24 squaring  
 Old black trunk + mat.  
 Coal 40 sacks.  
 Six barrels beef & pork  
 Sails



## Records -

- Notes and duplicates. ✓
- Copy of notes ✓
- Chronometer comparisons + copy. ✓
- Astronomical obs. + duplicates ✓
- Copy of astronomical obs. ✓
- Description of signals + duplicate ✓
- Copy of description of signals ✓
- Current observations on sheets + dupl. ✓
- Horizontal angles + dupl. ✓
- Fair journal horizontal angles. ✓
- Soundings + copy of soundings ✓
- • Tachometer obs + copy of do ✓
- Fair journal tel. obs. ✓
- Dip obs + copy of do. ✓
- • Magnetic azimuth in notes ✓
- Tides + copy of tides ✓
- Sounding angles + copy of do. ✓
- • Priests meteorology + rough copy ✓
- • Log + copy of log. ✓
- • Computations of astronomical obs. ✓
- Copy of do. ✓
- Computations of  $\Delta$  sides ✓
- Copy of do. ✓
- • (S. M. J. Computations) ✓
- Copy of do. ✓
- • Azimuth obs. with astronomical obs. ✓
- Copies of  $\Delta$  and + duplicates. ✓
- Monthly Reports + journals + copies ✓
- Copies of views. ✓
- Abstract of angles. ✓

## Work to be done

- Azimuth of base line.
- ~~Rate chronometers.~~
- Erect signals on Amaknak.
- Visit Igloolik village -
- ~~Look out for spar -~~
- Soundings in main bay.
- Continue shore line.
- Current observations.
- ~~Note books + copy.~~
- ~~Meteorology - priest~~
- Overhaul store room -
- ~~Covers for boxes -~~
- Get accounts + reports <sup>ready</sup>
- ~~Get seal skins for rigging~~
- ~~House.~~
- Overhaul stuff ashore.



Desk  
Drawer 1

- 10 thick 4to blank books
- 6 thin 4to " "
- 12 Orig. sounding books
- 2 " " angles
- 2 deep sea sounding books
- 7-8 vo Horiz. Angles

Drawer 2

- 9 long tidal books
- 3 4to 2 Books
- 3 4to dollar ruled blank books
- 1 8vo Horiz. Angles
- 10 4to " " copies
- 2 long sounding book
- 2 " angle "
- 2 deep sea sounding books
- 16 blank 8vo notebooks.

Drawer 3

- |                  |                    |
|------------------|--------------------|
| 2. Harbor charts | Red + blue pencils |
| Pencils          | Paste brushes      |
| Red blue ink     | Pens + holders     |
| Rubber bands     | Blotter            |
| Quill pens       | Binding books      |
| Scissors         | Tape               |
|                  | Large envelopes    |

Drawer 4

- Letter paper
- Telegraph paper
- Signal notices
- Twine - Ruler
- Old computations + views
- + plattings of temperatures
- Ship -



Mag. bear of Δ to altations  
angle from church to alt. at 11  
angle at alt from Δ to 8.42.30

$$\begin{array}{r} 45 \\ 11.15 \\ 33.45 \\ 5.37.20 \\ \hline 28.07.30 \end{array}$$

S.E. by S 45

$$\begin{array}{r} 45 \\ 11.15 \\ 33.45.00 \\ 2.48.45 \\ \hline 30.56.15 \\ 15 \\ \hline 42.56.15 \end{array}$$

W 1/2 N



$$\begin{array}{r} 33.45 \\ 15 \\ \hline 48.45 \end{array}$$

15 35 1/2 W

$$\begin{array}{r} 48 \\ 195 \\ 48 \\ \hline 199.59.00 \\ 19.58.45 \\ \hline 180.01.15 \\ 165.43.45 \\ \hline 14.16.15 \\ 11.25.15 \\ 2.51.15 \\ \hline 14.16.30 \\ 19.42.00 \\ \hline 11.25 \\ 32) 30 \end{array}$$

$$\begin{array}{r} 480 \\ 32 \\ \hline 80 \\ 64 \\ \hline 144 \end{array}$$



